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<150> PCT/US98/11422

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cccgaaatat ctgccatctc aattag 86

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gcccctaact cgcgccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat 180

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31

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12

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120

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tgtgcctctt cactttaatc atagctccca ctatagtcac ccactacttc tgctgatact 480
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aaa						843

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 cttaggtcag aaaaatgaat aaataagcat aaaattttta aaacttagcc aggcattggtg 720
 gcacacatct gtggtccctg ctacttagga ggctgaggtg agaggatcct tgagcccagg 780
 aggtcaacac tacagtgagc tatgattgtg ccactaaact ccaacctggg tgaaaaagca 840
 aaaccctgcc aaaaaaaaaa aaaaaaact 869

<210> 19
 <211> 959
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (930)
 <223> n equals a,t,g, or c

<400> 19
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 ttaaaactct tgtattcaca tgccataatt tgaaacccta tttcactgaa tgagaatggg 180
 atctgttgct ctcatTTTTT catTTTTtat ctttaacaatt tccaccacag ccagtgcata 240
 taatggcaat gacacccagg gatggaatga taagttccat crcmgctcag tcaagacgca 300
 gacttgatgt ggccccaaca acagtcaata atggagtctc caaaataaag ctctatagga 360
 aaggtaaata cccgctgcac aagaaaccac agcatctagg ttctaaccoc atctctatga 420
 agagcttgct gggagagttt tgacattwaa caatctgtct gatkgccaat ttttctcttc 480
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 ggcgtgggtg ctcatgctg taatcccagc actttgggac caaggtggac agatcacgag 840
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<210> 20
 <211> 1446
 <212> DNA

<213> Homo sapiens

<400> 20

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tggttttggg	gttttcttgc	ttgtgccaag	ggctggacac	tgctgggggg	ctggaaagcc	180
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gctggggccag	gaccgggaga	gggagcactg	ctgcctcct	ggccctgctc	cttccgca	360
taggggtgga	ccgagcctcg	cttccccac	tgctctggag	ggaaggggaa	ggagggggtc	420
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aacgctttat	ttaaagccaa	aaaaaaaaaa	aaaaaactcg	aggggggggc	cgtacccaat	1440
tcgcca						1446

<210> 21

<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1470)

<223> n equals a,t,g, or c

<400> 21

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agtcttatga	tggtggttgg	caaggctaga	taaaaagatg	ttagaatgaa	agaacatatt	120
tttagtgata	tgtaaatgaa	ggattctaca	atagtcatat	atttttatat	gaatgaatgt	180
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tctgaaataa	tggaaactcat	gtctacaatt	caacatgcat	ctgtatagtt	acatctcatg	300
taaatataca	cagacatatt	ttgcagccag	taattgacag	ttaatgtcca	aaacaggtga	360
ttgataggta	acagaaatta	gataaccacc	aattttgccc	aagagaaaga	ctagaaggac	420
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gaaacgtgtg	cattaacaga	gaatttaatt	ttaaaccocat	aatttctcct	atccattaaa	540
atattataat	tgtagtagt	atgaaaccaa	caggaaatgt	tttttaatca	tttagtgagg	600
tgattcattt	gtttcatggg	caaacactat	ccaggaaaag	ccttgcttgc	ctgtttccca	660
aagagctcta	agaaatagaa	tcaagtgtaa	aatggttcag	accattcagg	atttcttgtc	720
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tcttcagatt	taccctaaga	taccttcggg	caatattttt	aaccaaccca	aaagctcttc	960
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ctactgaatg	aatcagaaag	gaatttttttc	tgaagagcat	tagaaaagtaa	aggagatggt	1080
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ttcaaagtgt	tattcaaaaag	aagtactgat	ttgtaattat	tatagtttgt	gtgtatcatc	1200
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gaaaatatat	tagaaaatca	gctttggatt	atagcatttc	taaaatatac	taatacagaa	1380
tcctcagtaa	tatgttttga	attggatttt	ttctcagaac	tgttacataa	taaataatac	1440
atcaaccaga	aaaaaaaaaa	aaaaaaattn	c			1471

<210> 22

<211> 1402

<212> DNA

<213> Homo sapiens

<400> 22

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tggaggaacc	tcttttcttg	tatcaatctg	cttcggatct	tgaacaagct	gacaaagtgg	180
aagcattcaa	ggacaatgat	gctggtgggtg	ttcaagtcag	ccccatctt	gaagcggggcc	240
ctaaaggtga	aacaagccat	gatgcagctc	tatgtgctga	agctgctcaa	ggtacagacc	300
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aaggtgcggc	atcggctgaa	cgacgactgg	gcatacggca	atgatcttga	tgcccggcct	420
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gaaagggagg	tcttctccaa	gccattttcc	tggaagagc	tgctgcagtg	aggctgttgg	660
ttaggggact	gaaatggaga	gaaaagatga	tctgaaggta	cctgtgggac	tgctctagtt	720
cattgctgca	gtgctcccat	ccccaccag	gtggcagcac	agccccactg	tgtcttccgc	780
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tggatatggt	tggttttggc	tcatttcaca	atcagcccaa	ggytgggaaa	gctggaatgg	960
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tttccctttg	gctttcgagg	gcctgtaaatt	atctatatat	aattctgtgt	gtattctgtg	1320
tcattgttgg	gtttttaatg	tgattgtgta	ttctgtttac	attaaaaaga	agcaaaaata	1380
ataaaaaaaaa	aaaaaaaaaa	ct				1402

<210> 23

<211> 1047

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (301)

<223> n equals a,t,g, or c

<400> 23

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agatgggggt	tcacgatgtc	gcccaggctg	gtcttgaact	cctgggcttg	agcgatcttc	120
ccatctttcc	atcttggcct	cctaaagtgc	tgggactgca	ggcatgagcc	accatgccca	180
gccaagattc	ttattgatta	ccatgttgct	tcaagaagcc	aagccagttt	ccaatattcc	240
ccatttgctg	gagtcttggg	actttgggta	gaagcaactg	gtaaattggt	aattggaaca	300

nttgggtggtg	tagataacca	cgtatggcca	aacctagagc	atctaggctc	acaattacta	360
tcctgacttg	ataacaagt	ttctgatatt	aacctgaaaa	tggaataat	gccaaatctg	420
tgtaacttaa	catctatata	cacagtgggg	agaactgaag	ttattaaacc	tggaatctct	480
gtgatcaagg	ctaacagtag	ttatctaaga	agcaaaggac	ctacaattct	tagacttgga	540
gtcatattct	ttaaggacgt	gttctgaaac	tatatcaagc	atctggtttc	cacgtatttc	600
tccttcagaa	attatgaagt	acaagtaaaa	atgaaggtag	agggtaaagac	acatgctgct	660
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tccttatgtg	tctaataaat	cttgttccat	gaaatgatca	aaaaaaaaaa	aaaaaaaaact	1020
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<210> 24

<211> 990

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (834)

<223> n equals a,t,g, or c

<400> 24

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caggatcaag	tggtggaagg	cttgcaagg	ggcttcagcc	agattcatat	gcggatcctc	180
agaaaacatc	tttgatcctg	gaataaggat	gatattcggt	gtggttgcc	taccaccata	240
actgttcaaa	caaaagacca	gtatggggat	gtggtacatg	ttcccaatat	gaaggtaatt	300
ataactggat	taaattagca	gacatctata	tactggctgc	aatgactgat	aaaatttttag	360
aaatgccaa	tgctgagrgt	ccatttggtc	taccctcttt	atataaaggg	tgatgctgaa	420
agtttggtta	aatgacttgt	ttatattaat	tagtcccca	gtgtccaagt	tacacctgtt	480
ttttttgtga	gtttgttctt	tacattttgc	tacctgttac	ggggactcaa	aggagggata	540
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ttgaataaat	gcatgaaaga	atacattttt	aaattttgtg	tatagttttg	aaagactcaa	660
gtacgttctg	tgtttggtat	tactgaaacc	acatttttaa	aataacactc	attaagttag	720
aaatatatga	gttttagattg	taaaagaatg	aggaattgaa	atagttgtat	accatattga	780
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atattatata	taattatttg	tgatttaatc	tgttaatatg	aatatctcat	ttaaaacttt	900
tattttctgaa	aaaattatat	tgaataaaat	tttatatagg	cagtcgccag	ccctttctc	960
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<210> 25

<211> 1208

<212> DNA

<213> Homo sapiens

<400> 25

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tcggagggac	agcatcgtgg	ccgagctgga	ccgagagatg	agcaggagck	tggacgtgac	420

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ccacctgcat	ccctctgggg	caggagccca	ccccagcac	ccccatctgt	taataaatat	1140
ctcaactcca	rggtgttcca	cctgaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1200
aaaaaaaa						1208

<210> 26

<211> 1922

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1022)

<223> n equals a,t,g, or c

<400> 26

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aa 1922

<210> 27
<211> 1951
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1892)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1930)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1934)
<223> n equals a,t,g, or c

<400> 27
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<213> Homo sapiens

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<220>

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<220>

<221> SITE

<222> (3716)

<223> n equals a,t,g, or c

<400> 29

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<211> 1667

<212> DNA

<213> Homo sapiens

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<210> 33

<211> 971

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (957)

<223> n equals a,t,g, or c

<220>
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 <222> (964)
 <223> n equals a,t,g, or c

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<210> 34
 <211> 1792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1767)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1768)
 <223> n equals a,t,g, or c

<400> 34
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 ctcttcagat tctccttatt ttagtttctt ttacatttta tgaagtagaa agcattgttt 180
 tgtaaaactgt ttgaaaata aatagcctag tctcttatcc tctttagcgt ggattaaagg 240
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<210> 35

<211> 896

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (870)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (877)

<223> n equals a,t,g, or c

<400> 35

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tctgcttttg	gtgtttgtac	atgttaagaa	ttgaccagt	aagccatcct	atttgtttcc	480
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<210> 36
 <211> 912
 <212> DNA
 <213> Homo sapiens

<400> 36
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 cttgttcctg ag 912

<210> 37
 <211> 1382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (787)
 <223> n equals a,t,g, or c

<400> 37
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aa

1382

<210> 38

<211> 872

<212> DNA

<213> Homo sapiens

<400> 38

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<210> 39

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (794)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (806)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (810)

<223> n equals a,t,g, or c

<400> 39

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gtttaaaaaa	tttaattgca	caaatagaaa	taattcaccc	acattattga	accccactaa	240
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (69)
 <223> n equals a,t,g, or c

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aaaaaaaaaa	aaaaa					1515

<210> 41
 <211> 704
 <212> DNA
 <213> Homo sapiens

<400> 41						
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ctaccaagat	tttagtgaag	cctgacagga	catttgaaat	taagattgga	cagccactg	180
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ctgcccgttc	tctgggcatt	cgcgtggtga	aggacctcag	ttcagaagag	cttgagcgtt	420
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aagaagctgc caagaagtga ccttgcccc accaactccc agatttcaaa ggaggtagtt 540
gcaaaagctg tgcccaaggg gaggaaggag gtcacaccaa tatgatgatg gttttcatga 600
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cctttcttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 704

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<210> 42
<211> 1094
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (196)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (226)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (302)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (596)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (952)
<223> n equals a,t,g, or c

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acatagttgc agttactgca ttgaatacct gtgggtttgc ctgttggtct gtctgtctct 180
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cagaaactag accttacttg ctgtgtgaaa taccaactaa attctcagtg aactcagctg 300
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tcccagctaa gaaatacaag ttacacctg tactagcagc ccatgtgtgc atgttcttta 420
agtgtctctg cagctatgtc atttatattg atttccctgt attattataa gcaaagcaaa 480
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ctcatyctyc atataatatg ttgagtatgc agtatattat gtgttaggct ctgganaggc 600
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ttccttatta tatgtaacct gctttcaggt tttttaatgt tactattatg tctttaatat 720
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ctttaggatg gattccaaag atgtggaatc agtaggttta aggaatatgg atattttggc 840
tggcaagggtg gctcacacct gtaatcccag cactttggga ggctgaggtg ggtggatcac 900
ctgaagtcag gagttcgaga ccagcctgac caacatggcg aaaccctgtt tntactaaag 960
acacacwaa aattrgccag tgggtggggc atgtgcttgt agtcccactt agctactcga 1020
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gcacctctac actc 1094

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<210> 43
 <211> 1821
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1801)
 <223> n equals a,t,g, or c

<400> 43
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 ttgtgtagtc ttagctgtat gctgaaattg ggcgtgtgtt ggagggcttc ttagctcttt 180
 ggtgagattg tatttctatg tgtttgtatc asctgaatgt tgctggaaat aaaaccttgg 240
 tttgtmaagg ctctyttttt tgggaagtaa gtaggggaaa aggtctttga gggttcctag 300
 gctcctttgt acaacaggaa aatgcctcaa agccttgctt cccagcaacc tggggctggg 360
 tcccagtgcc tggctcctgcc ccttccctgg tcttatctca aggcagagct tctgaatttc 420
 aggccttcat tccagagccc tcttgtggcc aggccttcc tggctggagg aaggtagaca 480
 ggggtgaagct gatgctgtac ttgggggcatc tccctggcct gttccaccaa gtgagagaag 540
 gtacttactc ttgtacctcc tgttcagcca ggtgcattaa cagacctccc tacagctgta 600
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 tttagtagta gtttaaagta gtaactgcta ctgtatttag tgggggtggaa ttcagaagaa 720
 atttgaagac cagatcatgg gtgggtctgca tgtgaatgaa caggaatgag ccggacagcc 780
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<210> 44
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<400> 44
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 cctcgggcta tgggaccag aacattcgac tgagccggga tgccgtgaag gacttcgact 180
 gctgttgtct ctccctgcag ccttgccacg atcctgttgt caccacagat ggctacctgt 240
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 tgaaggccta cgagaagcag cggggcaccc ggcgcgagga gcagaaggag cttcagcggg 360
 cggcctcgca ggaccatgtg cggggcttcc tggagaagga gtcggctatc gtgagccggc 420
 ccctcaaccc tttcacagcc aaggccctct cgggcaccag cccagatgat gtccaacctg 480

ggcccagtgt	gggtcctcca	agtaaggaca	aggacaaagt	gctgcccagc	ttctggatcc	540
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gagacaaact	cacagaccgc	gacatcatcg	tgctgcagcg	ggcggtacc	gsttcgcggg	900
ctccggagtg	aagctgcaag	cggagaaatc	acggccggtg	atgcaggcct	gagtgtgtgc	960
gggagaccaa	ataaacgggc	ttgggtgcgc	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	1020
aaaa						1024

<210> 45

<211> 983

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (976)

<223> n equals a,t,g, or c

<400> 45

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gcccctggga	acaagccgga	gctgtatgag	gaagtgaagt	tgtacaagaa	cgcccgggag	180
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gagaaggcct	acatcaagga	ctgtgtctcc	cccagcgagt	acactgcagc	ctgctcccgg	300
ctcctggtcc	aatacaaagc	tgcccttcagg	cagggtccagg	gctcagaaat	cagctctatt	360
gacgaattct	gccgcaagtt	ccgcctggac	tgcccgctgg	ccatggagcg	gatcaaggag	420
gaccggccca	tcaccatcaa	ggacgacaag	ggcaacctca	accgctgcat	cgcagacgtg	480
gtctcgctct	tcatcacggt	catggacaag	ctgcgcctgg	agatccgcgc	catggatgag	540
atccagcccc	acctgcgaga	gctgatggag	accatgcacc	gcatgagcca	cctcccaccc	600
gactttgagg	gccgccagac	ggtcagccag	tggctgcaga	ccctgagcgg	catgtcggcg	660
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kgsggcgggt	ccccantccc	ccc				983

<210> 46

<211> 2421

<212> DNA

<213> Homo sapiens

<400> 46

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gaggaagtga	ccatggacac	aagtgaanaac	agacctgaaa	atgatgttcc	agaacctccc	180
atgcctattg	cagaccaagt	cagcaatgat	gaccgcccgg	agggcagtgt	tgaagatgag	240
gagaagaaag	agagctcgct	goccaaataca	ttcaagagga	agatctccgt	tgtctcagct	300
accaagggggg	tgccagctgg	aaacagtgac	acagaggggg	gccagcctgg	tcggaaacga	360
cgctgggggag	ccagcacagc	caccacacag	aagaaacctt	ccatcagtat	caccactgaa	420
tcactaaaga	gcctcatccc	cgacatcaaa	cccctggcgg	ggcaggaggc	tgttgtggat	480
cttcatgctg	atgactctcg	catctctgag	gatgagacag	agcgtaatgg	cgatgatggg	540
acccatgaca	aggggctgaa	aatatgccgg	acagtcactc	aggtagtacc	tcagaggggc	600

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<210> 47

<211> 840

<212> DNA

<213> Homo sapiens

<400> 47

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tcattcagaa	tgtttagtaa	tttgtattgt	ttttcagatt	ttcagcccaa	tatatctccy	180
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<210> 48

<211> 2432

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2049)

<223> n equals a,t,g, or c

<400> 48

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<210> 49

<211> 1742

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (570)
<223> n equals a,t,g, or c

<400> 49
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cg 1742

<210> 50
<211> 1487
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1486)
<223> n equals a,t,g, or c

<400> 50
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cgtaaaactga	gcttttctaa	cgtgggtttc	tgccaagtac	ttttccagct	gcccccttcc	240
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tatttcatac	aaactgaaca	attgtggccc	ctctatttta	tttataaagg	ttcagtgat	600
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tgagtcacaa	ccaatttcta	agctgtttata	acaaaaaagt	gtttgctttt	tttcacaagt	720
aactttaaaa	gtgtagttta	gaaagaaaac	attttcaata	aaaagacact	acattaatcc	780
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<210> 51

<211> 1328

<212> DNA

<213> Homo sapiens

<400> 51

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tggccttgcc	gaagaactgg	aaaaagagaa	gtcaagggaa	cagatgagct	cccaacccaa	180
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acaatacgtc	tctctgagca	gagaccctt	tgttcttgtt	atccacccat	atggacttgg	1200
aatcaatctt	gccaaatatt	tggagagatt	gtgtggattt	aagagacctg	gatttttata	1260
ttttaccagt	aaataaaaagt	tttcattgat	atctgtcctt	gaaaaaaaaa	aaaaaaaaaa	1320
aaactcga						1328

<210> 52

<211> 1856
 <212> DNA
 <213> Homo sapiens

<400> 52

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tgctgtcttc	aattaaacca	tttatgacca	taactaattt	tcaggatgtc	gatgcatgct	180
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caggcttctt	tgtctctggt	tgtagcttgc	atgatcgccc	cattaggcag	acaacgtagc	660
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ggggtaaatg	tttacttcaa	aatgactcca	tatttcaaat	atctgtttag	actgtgaagg	1740
ccaaataatt	tttaagaaaa	catttgaaga	gtagtgtgtt	tgcatttgtg	aataatctta	1800
ctcacagcaa	gtaaacgtaa	taaaagccaa	catttaagcc	aaaaaaaaaa	aaaaaa	1856

<210> 53
 <211> 1558
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1514)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1551)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1556)
 <223> n equals a,t,g, or c

<400> 53

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<210> 54
 <211> 948
 <212> DNA
 <213> Homo sapiens

<400> 54

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<210> 55
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (751)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (879)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (888)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (897)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (899)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (901)
 <223> n equals a,t,g, or c

<400> 55
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<210> 56
 <211> 1603
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (788)

<223> n equals a,t,g, or c

<400> 56

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agggaaagtgg	gagagctttc	cttgacccag	gaagactgag	ggggactgaa	catgattact	1080
tgtctgccta	gagcttcttg	taaagaagtc	acaaacttag	tgccctccagg	ggcttggctg	1140
tgtgataatg	aggatagagg	attacttggt	aggcaatgtg	gcatgggtggg	gattgtggca	1200
aactagaatt	cacatcacc	accatatagg	gcttgcatta	ccacgaggca	gaaagcacct	1260
agtgttgctg	catcttctta	cgcaaaaaag	acaaaatcca	gacttctaaa	atgtaaaatc	1320
actgattttc	gatattggca	gcttaactttt	tttttttaaa	caaccatgca	ggccaaatga	1380
cttgtaatct	tgtcaccatt	tttaggtaaa	ctgtgacttg	aaaaagtctg	gagcaaaaca	1440
accaatgctt	tttcttttta	ttctgttggg	aaccagtttt	ctttgtgtca	cagtttytgaa	1500
acctcaatac	gaatatttct	cttcccacca	aatattttga	ggcaattgaa	aagccacagt	1560
gattttatttc	ttgatattggc	aatttttaatt	ttgcaagaca	att		1603

<210> 57

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (250)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1051)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1052)
 <223> n equals a,t,g, or c

<400> 57
 tacagctcag gatgcctgta acattgtcat ctctgggctt ctgggtcctg cttagcctgc 60
 tttttccctg gaggactgac cagggatgcg gcccagcaac atgttactaa atcatactct 120
 cctccctacc tttcccagac ctctcactcc tgcttggtgt tccaaccctg tctgtggcca 180
 gagtatacat tttggaacct ctctgaggcc atcctgcagt tccagatgaa ccatagcgtg 240
 cttcagcagn aaggcccgag acatgtatgc agaggagcgg aagaggcagc agctggagag 300
 ggaccaggct acagtgcacag agcagctgct gcgagagggg ctccaagcca gtggggacgc 360
 ccagctccga aggacacgct tgcacaaact ctcgccaga cgggaagagc gagtccaagg 420
 cttcctgcag gccttggaac tcaagcgagc tgactggctg gcccgctctg gcaactgcac 480
 agcctgaatg aggctggcca cctgccactt tgccctgccc tctgcctcca gggctccmct 540
 myccttcctt ttcttggtga aaggcacctc ctttctgat aatgaatggg gttccctttg 600
 cttggctggg gagcccccca ggccaggttt gctggccata gatacctttg ggctgcctgr 660
 gacaggctcc tgaggaggat tgagggtgaa agtctccac gagtacacta aacctaggtc 720
 tggtcaccaa taggggttgg agagcaaagg gccacaactc atcagctgcc tgtctcttag 780
 atgcactttc tttttccacc agcacatcct tcaacacaca gaatttcagg gaagagttct 840
 ccccaaaacc ctagctcttt acccttccat tttagccttc caccagctt ccacaaaaga 900
 tttggctcta ctttgatct gctagtaaat aactaatagg caggcagtta tttgggtaag 960
 gaaaaaagg gtgggagaga cagaaaaatt gcccaactgct gctcctcccc ttggstytc 1020
 acctgggatt tgctattgaa tctctacct nn 1052

<210> 58
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (32)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (751)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (770)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (784)

<223> n equals a,t,g, or c

<400> 58

acnecgtggc	ggccgctcta	gaactagggg	ancccccggg	ctgcaggaat	tcggcacgag	60
catagacttt	taaactggtg	cggttccttag	agatgggtcct	tggccttctg	ttgtttgtgt	120
kgtttttttc	tttttcttct	tctccttctc	cttcttcttc	tcttctcctt	ctttcttctt	180
ttttttttca	gagtcttgct	ctgtcaccaa	gactggagtg	aagtgatgtg	atctcggctt	240
actgcaacct	gggaggcaga	ggttgacgtg	agtcgagatg	gtgccattgc	tctcgtttgg	300
gcaacaagag	tgaaactctt	gtctcaaaaa	aaaaaaaaaa	atgagggtta	agacagtttt	360
gtcattactg	gtgggatctg	gtcacacaag	atagcattaa	acgtgacatg	gcacataaaa	420
ttgggttaaaa	aattttgttt	tttaattacg	taatgtaaaa	gccaacaaa	cactttatgc	480
aagattggaa	tgtatcttca	aattcagatt	taataaacat	gtaaagatcc	tctgtatata	540
aaagttgtat	ttaatccctt	gtgccccaa	aatgctataa	aagatcccaa	gaatgttatc	600
tatgaaaaga	tagcaatagg	gaatggtgaa	caaataattt	aatttgccaa	ttctaaaaaa	660
catggactta	aaccccatga	aaacttggtt	ccatagtttt	aactgtttta	tgggttccat	720
acaaaaccag	agtgttttac	attccacaat	naccaaattt	gcattccaatn	ttggggtaat	780
tttnggtatt	tgccatggga	tactattcat	tttt			814

<210> 59

<211> 1215

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1186)

<223> n equals a,t,g, or c

<400> 59

agaggdaagtc	ttttgccaa	cctgttctct	ggactaacgc	catccaggct	gggaggggaa	60
gagtgtctctg	ctacactcgt	ccccctcctg	cctcatcttc	cttctcagcc	ttgggttctg	120
atgggaacag	aatggagggc	ctgagaacat	actttctaaa	tgcccttgac	ccaggaaccg	180

attatctata	tttgttccca	ttttccttca	ccgtgacatt	ccagcattgt	ctgactgtga	240
ggtgggcctt	tgagagcctc	cagggttcctc	aaaacaggcc	tgagcgatgg	gcatcacacc	300
ctctgcctac	ccacrtgcct	gcttacctgc	cagataacca	agtgnagatg	tctgcgagtg	360
gctagttttc	acattctttac	tagtgtttgg	ytcacctttg	ggcaaaggcc	ccctctaggc	420
cttgccccac	ctccatcaaa	cgcagacact	gtagtccagac	ctcagyaata	taggaggcaa	480
taatctttta	acagtgtttt	gcaaacaaac	aaaaagagaa	aaatcccagc	caggggaact	540
cgccacctgc	ccacgctagt	tccatccacg	ctcaagaccc	gcccttagac	caggcaggca	600
aaggccccca	tcacactcgg	ccactagtgg	ggtcctgagg	ccaagaaaga	aaccagaccc	660
tgtatgacaa	gttgggktct	ttccagaaca	cgacagaaac	agggggggcc	ccttggttaat	720
gccactccat	actccagaag	cattattcct	tatttgggac	agccaagggc	agattcacag	780
gttattgtag	gaataaagac	tagtttacia	aggaraaaga	gsccttgac	ttcccmagga	840
aaggtcaggt	tagggctcct	gtaccatttc	tgttccacca	ctgtttgac	tctctggcct	900
cccaccagga	atgcccgttc	ctttttatgg	atctgttggg	aaccagagag	aatcaacaga	960
tcaatgacat	aggatccgaa	gtgcaatgat	agtcacttct	agtttggcat	ttcacaaact	1020
ctgnacagca	aggtattggg	aggttactca	atttcaaaaag	ggccccatgg	ccaaatatgt	1080
ttaggaaccg	ctgtttgnat	ttcttttttt	ggagacgcat	tgtatataat	atatgtcaaa	1140
ggctttcgga	attcctgcag	gaaagaaatc	agctttgtta	aatccnaaaa	aaaaaaaaaa	1200
aaaaaaaaatag	actcg					1215

<210> 60
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (410)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (476)
 <223> n equals a,t,g, or c

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cagtggagtc	ctgctggctg	taatcattaa	ttgtgaaatc	taaggagctt	agttcatggc	120
tctagaattt	cacagaaaar	tygymtatga	tacgagcatt	aagtttattt	cttctgatct	180
ttgatgcagc	tttgttcagt	ttatctgttt	ttgtatttat	tggtcatcta	cttcccatgc	240
caaaaggggac	tggctctacat	agctgctgta	aacacctgat	caaatcacta	aaagaaaatg	300
tgttacctct	aatgaattat	cctgattgta	agttaaaaat	caatatttcc	ccgtagtggg	360
gtttgctttt	taaaaagaak	kcttaaaaaa	aaaaaaaaaa	aaacgagtn	aagaaaagga	420
agcaagctca	ggtaagggtc	acacattggg	ctaaggaagc	tagagcctgt	gggagangc	478

<210> 61
 <211> 618
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (39)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (548)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (560)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (562)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 61	
tatgaccttg ataaccceaa gttngaaatt aaccttcant aaaggggaaca aaagctggag	60
ttcgcgcgct tgcagttcga cactagtggg tcccaaagaa ttcggcacga gtcataatga	120
gctactagggt aagccttctg ggactttcag atattttggg gaagattgat ttttgttctt	180
acatgctgtg gacccttggc catcaaattg tatggggaag ctcattcgtc tgtctgtgat	240
ggtcattgtca gtcaggcgct tttttagtat ttactgggtg ctcagtactg tggcagatgc	300
tgtcggggagc cgtgggtggtg tggaggaggga gtgctccaga ggactctgct gtgtggcagg	360
ccagcataaa caagccaagg ggaaaaggca ggcattggaat aaagggggag aataccagtg	420
tgtgacttac tgctgactgt gtggattagc ctatcagcag taaatcaagca gggcggaggg	480
cattatcttt gagccagaag agtgagcact ggsccgaggg tggagcatca agaggggggtg	540
taggaccnca aggtctcttn cnggggagac aacgtcaata agcngtcagt agtcaccgac	600
agttttggga agcaaggg	618

<210> 62
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (158)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (159)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (202)
 <223> n equals a,t,g, or c

<400> 62

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atggccctga tcaccctcac ctctgccat tcacaccnnt gtaaaattcc acccctggac      180
ctagtgactc acttctaaca angagaatac agcaaaagta acatcgcttc tgagggtagg      240
ctacaaggag actacgatgc ctgccttggg cacccttctc ctgctcttcc cattgctccc      300
tctgatggaa gccagttgcc atgtgatgag gtgccctatg gagaggccca cgtgacaagg      360
tattgtaaaa agcctctgac caatagccat ctagaaacgg aggccagtc cagcagctc      420
tgagatgaat cctgcccaacc tgagcttgga gacagattct ctccctatcc tgccttgga      480
tgatcacagc caccaccaac accttactg cctgggtgaga ggccaagcca gtgaacccaa      540
ggtaaactgg acagaatcct gaccacaga aactgagata atgtttgtta ttttaagctg      600
ctcagtttgt tacagagcaa tagataacta actcaaacac cataaaattc taatatttta      660
ttctatcaca caaacagggt aataccaagt aaatgccatt actatacaca tatttttgta      720
acacaattac atgtgatttt ttaagaaggc t                                     751

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<210> 63
<211> 780
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (4)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (12)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (738)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (776)
<223> n equals a,t,g, or c

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<400> 63
cngncagtca cngtccccga ttccccgggtc gacccacgcg tccggggttg caactcctga      60
ggcctgcatg ggtgacttca cattttccta cctctccttc taatctcttc tagagcacct      120
gctatccccca acttctagac ctgctccaaa ctagtgacta ggatagaatt tgatccccca      180
actcactgtc tgcggtgctc attgtctgta acagcattgc ctgtgctctc ctctcagggg      240
cagcatgcta acggggcgac gtccaatcc aactgggaga agcctcagtg gtggaattcc      300
aggcactgtg actgtcaagc tggcaagggc caggattggg ggaatggagc tggggcttag      360
ctgggagggt gtctgaagca gacagggaat gggagaggag gatgggaagt agacagtggc      420
tggtatggct ctgaggctcc ctggggcctg ctcaagctcc tctgtctcct tgctgttttc      480
tgatgatattt ggggcttggg agtccccttg tcctcatctg agactgaaat gtggggatcc      540
aggatggcct tccttcctct tacccttcct ccctcagcct gcaacctcta tcctggaacc      600
tgtcctccct ttctccccc aaatgcatt gttgtctgct cctctgcaaa ggccagccag      660
cttgggagca gcagagaaat aaacagcatt tctgatgcca aaaaaaaaaa aaaaaaaacc      720

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gcggccgaaa gcttattncc ctttaagtaa ggggttaatt tttagcttgg gcaactnggcc . 780

<210> 64
 <211> 588
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (565)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (566)
 <223> n equals a,t,g, or c

<400> 64
 ttccgaatta atcgactcac tataggaawt gccgtcgcca tgacccgcgg taaccagcgt 60
 gagctcgccc gccagaagaa tatgaaaaag cagagcgact cggttaaggg aaagcgccga 120
 gatgacgggc tttctgctgc cgcccgcaag cagagggact cggagatcat gcagcagaag 180
 cagaaaaagg caaacgagaa gaaggaggaa cccaagtagc tttgtggctt cgtgtccaac 240
 cctcttgccc ttcgcctgtg tgccctggagc cagtcccacc acgctcgctt ttctctctgt 300
 agtgctcaca ggtcccagca ccgatggcat tccctttgcc ctgagtcctgc agcgggtccc 360
 tttgtgctt ccttcccctc aggtagcctc tctccccttg ggccactccc ggggggtgagg 420
 gggttacccc ttcccagtg tttttattcc tgtggggctc accccaaagt attaaaagta 480
 gctttgtaat tccaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
 aaaaaaaaaa aaaaaaaaaa aaaanncggg ggggggcccc cccccccc 588

<210> 65
 <211> 945
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

<400> 65
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 tttggcaagt gagaagatgc agataggcaa aaagraaaaa aaagagatca cacagagatt 120
 cactgttaac ctttggtgta taataaaatc agacactttc ctttgcatta tgtcacatag 180
 aaatgtacaa ataaagtgtg catatatata cacatatatg tatacactgt tttgcaactc 240
 gttattttca ctttgcaata tacaatgagc atttttccat gcaaatgaat gagacctctt 300
 attaaatgaa taagattggg tcaaaagatg agatgttgac aagagtcata tgtaaactctc 360

agcaacatcg	aatgactgga	gtaaaacgat	agcaaattatt	tatcaagaaa	gtgcagacaa	420
acagaaaagca	gtggcaacat	taataacaga	aaataattga	attgtcagag	aaattaatta	480
aatgggataa	ggacgggtccc	gagaatgcct	atgggttagaa	tgacagagccc	taaattttctt	540
tctyagaccc	cttatctctt	ccaaacacct	ttccatctca	tctccctccc	ttgtcatttc	600
ttcatcttta	aaatgcctat	agtctatgtc	ctctttaaat	tcttcgagag	actgaagcag	660
cctctgtcta	aaattccctt	ctgtttgctg	gcgttcaa	tctccatacg	ggcgtttttc	720
ctccctcttt	ggcacgctgc	actttggctt	tccttcgttt	tctttgcagg	gtttttgcat	780
gatgttggtg	ttgtttcctg	cttaactctg	tgccgggtag	tttctctctc	cttttcttcc	840
cccagatgtc	tgtagaacaca	gatcctggga	cctcttccct	cccttggcca	caagcacgca	900
cggcacgctt	gtctgcaggg	cagtaaggag	ctggtacctc	gtgcc		945

<210> 66

<211> 1866

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (674)

<223> n equals a,t,g, or c

<400> 66

acccacgcgt	ccggtcctct	tcttcagcac	atgccaaagc	tgttcctcac	ggcctgtgag	60
acaagagcat	cttggatgta	ggacaatgga	agagttagat	gccttattgg	aggaactgga	120
acgtccacc	cttcaggaca	gtgatgaata	ttccaacca	gctcctcttc	ccctggatca	180
gcattccaga	aaggagacta	accttgatga	gacttcggag	atcctttcta	ttcaggataa	240
cacaagtoce	ttgccgggcg	antcgtgtat	actaccaata	tccaggagct	caatgtctac	300
agtgaagccc	aagagccaaa	ggaatcacca	ccaccttcta	aaacgtcagc	agctgctcag	360
ttggatgagc	tcatggctca	cctgactgag	atgcaggcca	aggttgagc	gagagcagat	420
gctggcaaga	agcacttacc	agacaagcag	gatcacaagg	cctccctgga	ctcaatgctt	480
gggggtctsg	agcaggaatt	gcaggacctt	ggcattgcca	cagtgcccaa	gggccattgt	540
gcatcctgcc	agaaaaccgat	tgctgggaag	gtgatccatg	ctctagggca	atcatggcat	600
cctgagcatt	ttgtctgtac	tcattgcaaa	gaagagattg	gctccagtc	cttctttgag	660
cggagtggct	tggntactag	ccccaacgac	taccaccaac	ttttttctcc	acgtgtgct	720
tactgcgctg	ctcccatcct	ggataaagt	ctgacagcaa	tgaaccagac	ctggcaccca	780
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gacaagaagc	catattgccg	aaaggatttc	ttagccatgt	tctaccccaa	gtgtgggtggc	900
tgcaatcgcc	cagtgttgga	aaactacctt	tcagccatgg	acactgtctg	gcacccagag	960
tgctttgttt	gtggggactg	cttcaccagt	ttttctactg	gctccttctt	tgaactggat	1020
ggacgtccat	tctgtgagct	ccattaccat	caccgccggg	gaacgctctg	ccatgggtgt	1080
gggcagccca	tactggccg	ttgtatcagt	gccatgggg	acaagttcca	tctgagcac	1140
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aattctataa	attctctttc	tcctctctct	ctccaatcaa	gcacttggag	ttagatctag	1500
gtccttctat	ctcgtccctc	tacagatgta	ttttccactt	gcataattca	tgccaacact	1560
ggttttctta	ggtttctcca	ttttcacctc	tagtgatggc	cctactcata	tcttctctaa	1620
tttggctctg	atacttggtt	cttttcacgt	tttcccat	ccctgtggct	cactgtctta	1680
caatcactgc	tgtggaatca	tgataccact	tttagctctt	tgcactcttc	ttcagtgtat	1740
ttttgttttt	caagaggaag	tagattttta	ctggacaact	ttgagtactg	acatcattga	1800

taaataaact ggcttgtggt ttcaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1860
 aaaaaa 1866

<210> 67
 <211> 1152
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (668)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (745)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1015)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1088)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1110)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1113)
 <223> n equals a,t,g, or c

<400> 67
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 agcttggcac gtgaagccat tcatgacttt gtaaggcagt tttgctgaag gccagttctg 480
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 gcagatgcct tcaatttccc accraaaaaa ccccmaccaaa acctaagacc ttactgcaac 660
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 aaaatagcag attggagcct tcgagaaggc agtaaattggc tgtttttatt gacaaaagga 960
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<210> 68

<211> 2483

<212> DNA

<213> Homo sapiens

<400> 68

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cgttctgcgg gtacaagaaa attccccagg acacagagct ggtttgagc ctttctttga 180
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gctgaaasca aacgttgaaa agcctgtaaa gatgcttatt tatagcagca aaacattgga 300
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tctccattt ttaagagatg gtaagttaac tgggaattgat ttactgaatg aaattaaatg 2400
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aaaaaaaaaa aaaaaaaaaa aaa 2483

<210> 69

<211> 536

<212> DNA

<213> Homo sapiens

<400> 69

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tataacctcc	gggggccttt	gcctcctttt	ccttagactc	cctccaaact	cgtgtatctt	180
tccttcagca	gtactgggct	ccacgcgaac	ctagtccttt	gtctttaccc	tattaccttt	240
cataacatcc	tagttgaaaa	gtarttattc	aaccgcgttt	gaaaatgaga	acaggttcac	300
agargctagg	ttacttgcca	aggtcgttca	attagtaacc	agtaacgcca	ggactgccag	360
tttcttgctt	ccgaattctc	atggtagctt	tcaccargct	ccccgtcmaa	tgctaacgct	420
aactactgaa	ctagattagc	aaaaaggctt	tttaacagaa	ttcctgggtt	tcagagagag	480
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<210> 70

<211> 574

<212> DNA

<213> Homo sapiens

<400> 70

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ggtaggggca	cctcgctggc	gctctcctcc	ctcctgtccc	tgctgctctt	tgctgggatg	180
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ggctctgtact	acatcaacaa	gatctcctcc	accctgtacc	aggcagcagc	tccagtcctc	480
acaccagcca	aggtcacagg	caagagcaag	aagagaaact	gacctgaat	gttcaataaa	540
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<210> 71

<211> 932

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (884)

<223> n equals a,t,g, or c

<400> 71

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agaacataag	gtcttgtgca	agaggagccc	tcgctcttct	gttccttctc	ggcaccacct	120
ggatcttttg	ggttctccat	gttgtgcacg	catcagtggt	tacagcttac	ctcttcacag	180
tcagcaatgc	tttccagggg	atgttcattt	ttttattcct	gtgtgtttta	tctagaaaga	240
ttcaagaaga	atattacaga	ttgttcaaaa	atgtcccctg	ttgttttgga	tgtttaagggt	300
aaacatagag	aatggtggat	aattacaact	gcacaaaaat	aaaaattcca	agctgtggat	360
gaccaatgta	taaaaatgac	tcatcaaatt	atccaattat	taactactag	acaaaaagta	420
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atcatataga	tatactatgt	ttttctatgt	gaaatagttc	tgtcaaaaaat	agtattgcag	540
atatttgga	agtaattggt	ttctcaggag	tgatatcact	gcacccaagg	aaagattttc	600
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actcgtgttg	cctttgaaac	tagtccccta	ccacctcggt	aatgagctcc	attacagaaa	720
gtggaacata	agagaatgaa	ggggcagaat	atcaaacagt	gaaaagggaa	tgataagatg	780
tattttgaa	gaactgtttt	ttctgtagac	tagctgagaa	attgttgaca	taaaataaag	840
aattgaagaa	acacatttta	ccatttaaaa	aaaaaaaaaa	actngagggg	ggccccgtac	900
ccaaatcgcc	gcatagtgt	cgtaaacaat	ct			932

<210> 72
 <211> 996
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 72
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 ccccgccgc gcggcccaact ccccgacct gctactcccg catgggggcc ctgagccagg 120
 agatcacccg cgacttcaac ctccctgcagg tctcggagcc ctggagcca tgtgtgagat 180
 acctgcccag gctgtacctg gacatacaca attactgtgt gctggacaag ctgcccggact 240
 ttgtggcctc gcccccggtg tggaagtgg cccaggtaga ttccttgaag gacaaagcac 300
 ggaagctgta caccatcatg aactcgttct gcaggagaga tttgggtattc ctgttggtatg 360
 actgcaatgc cttggaatac ccaatcccag tgactacggt cctgccagat cgtcagcgct 420
 aagggaactg agaccagaga aagaacccaa gagaactaaa gttatgtcag ctaccagac 480
 ttaatgggcc agagccatga ccctcacagg tcttgtgtta gttgtatctg aaactgttat 540
 gtatctctct accttctgga aaacagggct ggtattccta cccnggaacc tcctttgagc 600
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 acacagcatg ttgatttggg caccataaaaa gaagaaaagg actaacaagc ttcactttta 720
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 atggtaactt tattctttct tgatagaaac ctgcttacat ttaaccaagc ttctattatg 840
 cctttttcta acacagactt tcttcaactg ctttcattta aaaagaaatt aatgctctta 900
 agatatatat tttagttagt gctgacagga cccactcttt cattgaaagg tgatgaaaat 960
 caaataaaga atctcttcac atgaraaaaa aaaaaa 996

<210> 73
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 73
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 tgctggtgtc atggccacgt gtgagcaggc cagcgctcama cggctcgctg tgaccgctcc 120
 cgragactga aatgggcctg ggtcttctcc tkgtcctgtg atwaaagtcc tctcttgaaa 180
 gtggagagca aaggcacaca gaggtgcgcg ctcaacaaga ttcctcccgg tgactgggta 240
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 cctcctagcc tggggggacca ggctcgaact gaccctggac atcaaaggag ggattatgtg 360
 gctgctaaag ccatcgcccc acagccctgt tcaertcttg gtgcttctct tccccagagg 420
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 gctcagcaca tggctggatg cggatatttc tataattcca gaaagtcaca cagctcctct 660
 gtatgagacc agtgggcgcc atttaaaaga acaggatgag aatctaagat atattattaa 720
 taaatgtaat ggattttttt tttgtaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
 aaaaaa 785

<210> 74
 <211> 1069
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (92)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (886)
 <223> n equals a,t,g, or c

<400> 74

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gttcttaggc	tcctgcacat	gaagggtgtg	gcctgtgggtg	tgtgggctgc	tctaggagca	180
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gcctttccga	gtcctgcagt	gggctgccct	gtaccctgaa	cctcatgagc	ctctaaggga	420
aaggaggaac	aattaggacg	tggcaatgag	acctggcagg	gcagartaca	agcccagcac	480
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tgtcttctct	agatgccccc	ctcctacaat	ctcagccccc	aagtcctctc	cacctagggt	600
ggcttctgct	atggcaataa	ctcataatct	gatttggagg	tttgcccttt	acaggggcag	660
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tgtgtgccta	ctgaacctgg	caaataaaca	tcacctgca	aagccaaaaa	aaaaaaaaaa	1020
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<210> 75
 <211> 831
 <212> DNA
 <213> Homo sapiens

<400> 75

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aatgggtctg	ggatcagttt	atcactgcag	ttgttacatc	accccatggg	ctaaaatata	120
gagctttagt	ctgtctctgt	ttcagttcat	tttacaggag	gtgaacatca	cacttccaga	180
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<210> 76
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (27)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (76)
 <223> n equals a,t,g, or c

<400> 76
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 agccagtcga ataacntata aggacaaagt ggagtccacg cgtgcgccg tctagactag 120
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 aaaaaaaaa aaactcgagg gggggcccgg taccattcg ccctaaaagt 590

<210> 77
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<400> 77
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 ctctgaaaat cctattggtt cttttatttt atttgagttt agagttccct tctgggtttg 180
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caaattgtac	taataggstg	gggccctgac	ttggctgtgg	gctttgggag	gggtaagctg	780
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<210> 78

<211> 1133

<212> DNA

<213> Homo sapiens

<400> 78

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agggagcaac	aaggacagtt	tcacatgctt	agactttctt	ggaagaaaca	gtgaggagga	540
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tccaacatgt	tttcacttta	tttgccctc	cctacatttg	ggttagggtt	cattttggatt	660
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tattcttttc	attctttccc	ctgtttacat	cctttttaca	aagcttagtc	accaattaaa	1080
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<210> 79

<211> 661

<212> DNA

<213> Homo sapiens

<400> 79

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actccacctg	cactgctgct	cctggggggt	ccccaggcct	ccctctgcct	ttctacctag	180
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cttttgctgt	gcctgctct	ggggttgaag	ctggcccatg	tgtcccccg	agtcattggt	300
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cccgtgctct	gttccccctg	gctgcttggc	acagagytgc	agcctgggag	tctccgtgga	420
cccagactgg	ggatttttgc	agggggggcg	tgggaggagc	aggtgctttg	cctggcggtc	480
gtgtctgcat	ttctggacgc	cccagagcac	agaagttgcc	ggcactttga	ggtcttctct	540

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ggcatgtgcc agattacatg agtgacggct gggaatatgt tttctttttt gtaatggagg      600
cgtgtttcac atatagtaaa gctcaccaaa aagtaaaaaa aaaaaaaaaa aaaaaactcg      660
a                                                                                   661

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<210> 80
<211> 1378
<212> DNA
<213> Homo sapiens

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<400> 80
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ggtgtcccgag gaagtcagcc attactcccc agtgggaatgg atccaactcg acaacaagga      180
catccaaata tgggtgggcc aatgcagaga atgactcctc caagaggaat ggtgccctta      240
ggaccacaga actatggagg tgcaatgaga cccccactga atgctttagg tggccctgga      300
atgacctggaa tgaacatggg tccaggtggg ggtagacctt ggccaaaccc aacaaatgcc      360
aattcaatac catactctc agcatctcct gggaattatg taggtcctcc aggaggtgga      420
gggccaccag gaacacccat catgcctagt ccagcagatt caaccaactc tggtgataac      480
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cctgggtcag atggtcccat ggggtggatta ggaggaatgg agtcacatca catgaatggc      600
tcttttaggct caggagatat ggacagtatt tccaagaatt ctccaataa tatgagcctg      660
agtaatcaac cgggcactcc aagggatgat ggcgaaatgg ggggaaatct cttaaatacct      720
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cctcatgaaa accacagtga gtcagccctt cacagaacta ctacggaaga aaattattca      840
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tccctgaact attttgtgct gtgtatatca ctgctttata taagttattt ttttaaggta      1260
actcagatgt tatggttttg taaatgtctg caatcatgga taggaataaa atcgcttatt      1320
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<210> 81
<211> 1440
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (38)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (41)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1128)
<223> n equals a,t,g, or c

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<220>
<221> SITE

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<222> (1129)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1440)

<223> n equals a,t,g, or c

<400> 81

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gggagaggcc	caacccta	taaggagcta	aacttcctga	gtgaggggct	gtgaggatgg	180
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gccctacacg	ccgcgcgctg	cctccaactc	actaaccttg	cgctcttgt	ctttcagatt	420
caacgcgttc	aacagaagcc	atccccagcc	cagcttaa	tataaagata	gacaataact	480
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accactgctg	accattgtaa	aataccgtgt	atataaatcc	cattgaaata	atgccctgga	660
atagaacatc	tcaaatgctg	cttaattaca	gactcaggtc	gattacttgt	atttcatgta	720
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atacagcgtc	tcttgtcttc	actgatactg	gagtctccgt	tgtctgcnn	gtcccttcga	1140
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tttaatacag	tttgtatctg	aataatctgt	atggtttata	cagtttgtgt	tgttcagaga	1320
tgtttaaagt	ttgatctttg	tttttctaaa	gattaaaaaa	gcacttgccc	cactgtaaat	1380
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<210> 82

<211> 1381

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1379)

<223> n equals a,t,g, or c

<400> 82

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cacggttttt	cctcatgtga	cttctgggaa	ggcgtccct	catctgggcc	aaaggaagga	240
ggacgaagcc	ctcctcagct	ggcctgtgtt	tggggcatga	atctctcttc	tcctccttgt	300
ctggctctgt	tgacaaaccg	ggcatgtttg	gcagtaaat	ggcacctgtg	cacactgttt	360
cctgggattc	aagtatgcaa	ccagaacaca	ggagaagaaa	agctccagga	tcctgtccc	420
catctgtcct	cttcatgtga	gagagactct	gagacttctt	ccatcgcaat	gacctgtatt	480
aaacacaagc	cccccaagca	aaagaagagg	ttgagtttgc	tgccaggatt	cagatcagcc	540
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tttaaaaaatg	tttaaatatt	ttgcttttgc	aatgtgctga	tccgcactaa	ctcatctttg	780
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tgtattctag	gccaggtagg	caacacagag	ccaaggcggg	tgctggaagc	cagacggaac	960
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gatttcttct	ttgaaaggtc	aagaccgtga	actgaaaaaa	gtgttgccct	ttttgcccga	1320
ccagattttt	aagataaaat	aaatattttt	acttctgtca	aaaaaaaaaa	aaaaaatnt	1380
c						1381

<210> 83

<211> 1706

<212> DNA

<213> Homo sapiens

<400> 83

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ccaactatca	tctgagggtc	aaagatgaga	agtagatcac	ttaataagac	aaaagcctgt	180
agggggaaaa	gaaaggatgt	ttaaaaggac	agaatgtttc	ccaaggtaga	aatgacactg	240
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gaaggccacc	attctgtccc	tcaaactcga	cagctgcttc	tgtgggcaca	gtggcttgaa	420
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cctgggggaag	catctgattt	agaaatgtgg	gttagtgctc	agagaatgga	aaaatagaca	540
agagtcaagg	ctggcaggat	aacctgtaac	aacaaagggt	ttgaaaaatg	aggtttgggt	600
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gcaggaacag	ctccagggtc	tgagaagaaa	aggcagaaga	tggtgtgctg	tggggatggg	1620
aggaggacac	tcttctggcg	ggaagtggaa	cgggggttaa	agcattaaac	ttcaaggata	1680
agatgcctaa	raaaaaaaaa	aaaaaa				1706

<210> 84

<211> 573

<212> DNA

<213> Homo sapiens

<400> 84

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acttcctgtc	tactctttga	ttttgtttta	tttttagaaa	tgttttatatt	tgttttattc	180
atttattcat	cttcagagac	atggctctggc	tctgttgccc	aggatggagt	gcatgggtgtg	240
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gatgtcycaa	actagaaggt	ctattaat	aaaaaattaa	ggatagcatg	ccataattaa	420
aaataataac	agtgggaaaa	ggcaccttcc	aatgattcag	acatcaactt	gtgatttaaa	480
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aaaaaaaaaa	aaaaactcga	ggggggcccc	gta			573

<210> 85

<211> 684

<212> DNA

<213> Homo sapiens

<400> 85

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<210> 86

<211> 1036

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1020)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1032)

<223> n equals a,t,g, or c

<400> 86

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acaagccaga	ggagcccggga	tgtgaggccc	cagatcacct	ccagggactt	ggggttccca	180
tctgaaatcc	tttatttttg	taccatgggg	tggggccccgg	gctgagaagg	aagaagcacc	240
ctctccccgg	cctcctctgt	ctgcacccgt	ggggctgtga	cttactcctg	cctccagggg	300
cggggcgggg	ccccctggga	cctcttaagg	cccaagggtg	gccccaggac	ctytgggcag	360

agtggaytgc	tcatggcaga	tgtgtggcaa	tgtctggctg	wgtctttccg	gcamctgcgt	420
yccctytccc	gggytcccc	gctgcatggt	ggatgtgctc	cttcctggcc	cggtcacatt	480
gcctccttga	gccttagtcc	agggggtcac	tyctcccacc	ccacctacct	cacagggttg	540
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gtttgacttc	ccgggatggg	tccttgcttc	tcagctgtgt	ccgacccac	catgtaataa	960
aacccaaagg	aacagcaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	1020
cccngggggg	gncccg					1036

<210> 87
 <211> 908
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (805)
 <223> n equals a,t,g, or c

<400> 87						
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tgctgtctgg	ctattgtgaa	taatgcttcg	ataaacattc	atatacaagt	ttctatgtgg	240
ctttatgttt	tcatttctct	tggctatcta	catgggagta	gaattctagg	tcataatata	300
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cttctttttk	gtwatwattt	tgttttttca	ttattgccac	cctagtggat	gtgaaatggc	480
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gcgtgggtgg	aggtgcatgt	aatcntatct	actcaggagg	ctgaggcagg	agaatcgctt	840
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gacacaga						908

<210> 88
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 88						
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aatggaatca	gtgtggtccc	catctactct	gcaaaaattg	catttttctc	tattttcaaa	420
tgagatttgt	tcaagtttca	aaaccacgtg	aaataataaa	tgtatagtag	ttttcttttc	480
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ttgtttgact ttcaatttca tgggaatttt tctcagctaa actctaaatg gtgattargc 600
aaaaaaaaaa aaaaaaaacy graggggggc ccggtaccaa ttcgccctat aatga 655

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<210> 89
<211> 1102
<212> DNA
<213> Homo sapiens

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<400> 89
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cagaggggttg ggacatatta cgggcgcgga tccctcttgg agtgagatga ctctccggag 180
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aatacttcca tgctgtattt gtggccatca gtttccccgg gcacaggcct gcacattttg 480
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tgcaggtggg agatgaagct caggggtggg accagtatct cacagttctc tttgcatggc 1020
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gaacaaaatt aaaccagcca gg 1102

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<210> 90
<211> 1533
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (12)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (123)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1522)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1527)
<223> n equals a,t,g, or c

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<400> 90
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tgngctggtgc	tgctgaaccc	gcgcggcggc	aagggcaagg	ccttgagct	cttccggagt	180
cacgtgcagc	cccttttggc	tgaggctgaa	atctccttca	cgctgatgct	cactgagcgg	240
cgggaaccacg	cgcggggare	ggtgcggtcg	gaggagctgg	gccgctggga	cgctctgggtg	300
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ggcagcttcc	ttraaccatt	atgctggcta	tragcaggto	accaatgaag	acctcctgac	480
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gaatgaagtc	ctgggtcagg	agcccagctg	gctggggcca	gctgcctatg	taaggccttc	1440
tagtttgttc	tgagaccccc	accccacgaa	ccaaatccaa	ataaagtgac	attcccaaaa	1500
aaaaaaaaaa	aaaaaaaaaa	ancccgnggg	ggg			1533

<210> 91

<211> 575

<212> DNA

<213> Homo sapiens

<400> 91

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gccagagctg	tacctgggcc	cctttgagct	gaggctgaag	ccagagtctg	aagctcagca	180
gggcagtarg	gccctgggcc	tggcccttga	aaccattctt	ttctcctaag	cctctggggc	240
tttgatggga	rgggctgtcc	tcaagatttt	tgaaatgcct	ttggagggtt	tttgccttgt	300
cttgatatt	ggcttccctt	tagttatgct	catctctcta	gcaagtgaat	gtttcacaac	360
ctgcttgat	tctttctcta	ccacagarcc	aggctgcaaa	ttttacaaac	ttttacactc	420
tgtttccctt	ttaaataata	atttcaatgt	taagtcaact	ctttgtctcc	atatctgatt	480
taggttgctg	gaagtagcca	agtcacctct	tgaatgcttt	gctgcttaga	aatttcctct	540
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<210> 92

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (126)

<223> n equals a,t,g, or c

<400> 92

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gcagantcag	aatgggcctc	agcatcaggc	tcccaatcct	ggcttctaac	tgtctgcgtc	180
tgccctteyc	tcwccccacc	tccccactcc	agtgcctttg	gtcatgccac	tgcagctttc	240
aggccaatac	tggattagcc	tcttagtggt	cttgtccctg	cagccatttc	cccaggcagc	300
aattccatgt	gccctcactg	atgtaggtgg	ctcttggtgc	atttgtcaca	tcctattgaa	360
ttgtttatgc	atcttggtca	cactcacagc	accctccctc	tcacacgtcc	tccttataaa	420
aatgtccctc	agtgtctgct	atgagccagg	tgcagactta	agtgcacagg	ctgtacggg	480
aaataaaaaa	ttaacaagga	gcacctgcct	cttaatgcac	agtaacaaac	tatgttaagt	540
gtcaggaagg	aaagggttaag	gatgccagga	aggcttttaa	taaataacct	gacttagatg	600
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<210> 93

<211> 858

<212> DNA

<213> Homo sapiens

<400> 93

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taagcccaga	atctccccct	ccctgaagg	aggccagcac	cccaggagg	cagcaggtgt	180
gctgtgaggg	ttggagtagt	gtgagaggtc	agggtacact	agaatggcca	tggacaccat	240
gtgggggtgc	tctgggctgg	gccacagaac	agtgtccttc	ctgctgctcc	tccccctgcag	300
cttcccccca	ccttgtggtt	tatttggttt	gataccaatc	agcagaccct	gcaaggtgga	360
ggctcccagg	cctctcagtc	ccaccactct	catgtgccag	tcacccctac	tgttaactgcc	420
caatgagtac	ttcttgccca	ctgccaaagt	agagccagtt	taccaagaca	ggggaattgc	480
agttagagaa	gagttgaata	tacatagagc	cagctaaatg	ggagagtggg	gttttcttat	540
tacttaaatc	agcctcccct	aaaattcaga	ggtgagaatt	tttcaaggac	agtttggtgg	600
gcagggccta	gggaatggat	gctgctgatt	ggctagggat	gcaatcatag	gggtgtagaa	660
aaggctcctg	tgcactgagt	ccacttttgg	gtgagagcta	ccaaggagct	gctggtctgc	720
tggctccggg	agagccatct	ggtgtcagga	atgcaaaaagt	gtggccaggc	acagtggccc	780
acacttgtaa	tcctagcact	ttgggaggct	gaggcaggag	gaatgcttga	gcccaggagc	840
tcgagggggg	gcccggta					858

<210> 94

<211> 526

<212> DNA

<213> Homo sapiens

<400> 94

gcaggggaat	tcggccacgg	aggggtttca	acagggcccc	tgggggtgagg	tgcaraacaca	60
aagcccataa	gtgctggcct	gttgggacaa	atgagagaaa	tcccatagg	tggatgatgac	120
agcgcaytca	gccatcytay	tcctggggaa	aatgaaactt	gtgctcctat	caaagtctca	180
gttgtaaaac	tggaaaaaaa	ttttagaaga	catcttgctc	agcatctgtg	tttatgtcta	240
taaaatgtag	aaaactaaa	cacagagatg	ttaaatgttt	tgtccaagg	ccaacagctg	300
gttagcargc	ttggctctgt	gacctttcta	ctgaaccaca	gtgccgctgg	gggaagtctt	360
cagcacagat	ggctgctgct	atagctgggg	tatgggcagt	attagtagtt	aaccagtcaa	420
cccaagttcc	catagtctag	gttctgcttc	agctggaggt	tagggaaaaa	cacaagaaaa	480
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<210> 95

<211> 426

<212> DNA
<213> Homo sapiens

<400> 95
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gaatgtcccc agagacaaaa gggaaaaggta gatcctttcc cttaaagatg aaagccatcg 180
ccggggcttg cttattgctc tctctcctgg tccttccaca tgttggtttct gaacatttgt 240
tctggcatca caatccccgt catcctgtca tctggccctt cccaccttcc caccttatct 300
cttgagctgt ctccgcgtcg acctggcacc tgggtgaarg cttgctcttg ctggcgcca 360
tagccccag tgtatggtct tgamctcccc agccatatgg araccacact caggagggcc 420
ctcga 426

<210> 96
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (732)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (835)
<223> n equals a,t,g, or c

<400> 96
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tcttctctg ctcacccag gcctcctcca taacacctac ctgacagggc ctggggactt 180
cccagcccaa ggaacaactg agaatactga gtgccagggt agccctagcc ccatttcaca 240
cctgggcaaa gtgaggtcac tggattcaaa cactcagatt taaaacctct ctgtgtctgc 300
agcacctgta tataactgcc agcctctgct gcccctctcc aaaaagtctc tgcccttgctc 360
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cctgttagtt cagcaaatgt tcatcgagct ccataatgta gcaggacagg nctgtctaac 480
agattctggn cttgcaaggg tgagacaagt actctccatc tttctctcat cttcacagat 540
ggtctgtca acaactttgc actgaattgt aaataattga tactgcataa aacattgatg 600
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tcagtgaagc atttggggst gctagctctg cctatgggtg aggtcagcta tctcacgcca 720
tctacttcca cntgcccccc catgccagge tcaccctgag ctgagatgcc tgagcaggtg 780

gcagaaagga gccacctggt ttatgcttcg ggaccacaaa ctctctatc cagangacag 840
 tttt 844

<210> 97
 <211> 1985
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (332)
 <223> n equals a,t,g, or c

<400> 97
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 ctcttacctg gggcggtca tgaaggtgca gtatgaggaa gtcgctgaga aagatgatct 180
 aatgggtgtg gaagatacag caaagaaagg attctyctca aagccatcgc tccgcagcag 240
 gaacaccatt ttcaccctag gaacccgcgg ctctgtcatc tcccccactg aacttgaggc 300
 ccccatcctg gtgcctcaca cagcgcagcg gnagagcaga ggtatccatt tgaggccctc 360
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 gaattttttg ttgtgtctgg ccagytgca caccacctgt tccatgctgt catgggccgt 480
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 gttggatact cggcccccact atatcacacg ccgctatgca gagtctcctc ccgctcttgt 780
 cagtatcaac cagacaattc ctaatgaacg gaccatgcaa ttgctgggac agctgcaggt 840
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 gtctgcagaa aataaatatt tagtatgaca tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1980
 aaaaa 1985

<210> 98
 <211> 1416
 <212> DNA
 <213> Homo sapiens

<400> 98
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gaagaatgat	ttgaatccta	tgtttctgga	tcaagtagct	aaattttatta	ttgataacac	180
aaaaggtcaa	atgttgggac	ttgggaatcc	cagcttttca	gatccattta	caggtggtgg	240
tgggtatggt	ccgggctctt	cgggatcttc	taacacacta	cccacagcag	atcctttttac	300
aggtgctggt	cgttatgtac	caggttctgc	aagtatggga	actaccatgg	ccggagttga	360
tccattttaca	gggaatagt	cctaccgatc	agctgcatct	aaaacaatga	atattttattt	420
ccctaaaaaa	gaggctgtca	catttgacca	agcaaacctt	acacaaatat	taggtaaact	480
gaaggaactt	aatggaactg	cacctgaaga	gaagaagtta	actgaggatg	acttgatact	540
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tgattcaa	gctgtaca	tagccaagtc	tttaggtgtt	gattctcaaa	taaaaaagta	1140
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gacatgactg	ataacagata	attaaaaaaa	gagaatacgg	tggattaagt	aaaattttac	1320
atcttgtaaa	gtggtgggga	ggggaaacag	aaataaaatt	tttgcactgc	tgaaaaaaa	1380
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<210> 99

<211> 1760

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (255)

<223> n equals a,t,g, or c

<400> 99

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ctgtctcaaa	aaaataaaat	aaaataaaat	aaaaacaaag	aaaaaaaaat	aaaatcttta	180
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tattatttcg	gaggagaaga	accaccataa	agtatgagct	atccactggt	cctttttatg	960
tcattgtatg	taatcagtct	atctcctaag	gcaggctcac	aaacttccac	ggtgagatgt	1020
ctaagtgact	tagtgacctt	cacactcatt	aaaggcagcc	ctgtccatca	aactccatac	1080
ctagaaaagt	caataaaactg	tattacattt	taataaataat	ktctgtgtac	tttttgtttt	1140
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agcctactat	cagcaatagt	ccttgtttat	tagaatctgc	agatgtccat	attacatcaa	1260
atataaatat	atattataat	tacatttcct	tcttagcttt	caatttaggt	gagtgtattt	1320
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cattagatgc	tcattaatgt	aagacagcat	cttaaaagag	gggtactggt	ccttttttaa	1440
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ttttgttttt	tatacttaga	aatacttgaa	aaatgtggtc	cctttttgta	gtactagtct	1560
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raacctgctt	gtttactcca	ttaacctgtt	taattaagat	ctgcttttaa	atgcctgatg	1680
ctgtgccagt	atcatacaaa	acatcttcca	ccttccaagc	agctgaagca	cctctcaaaa	1740
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<210> 100

<211> 599

<212> DNA

<213> Homo sapiens

<400> 100

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cctcatcctg	atgggcactg	aactcactca	agactccgct	gccccgact	ccctgctgag	180
aagttcaaa	ggcagcacga	gggggtcttt	ggctgctatt	gtcatctgga	gggggaagag	240
tgagagccgg	atagccaaga	ccccaggcat	tttcagaggt	ggcgggacct	tagtccatcc	300
cccaacacac	acccttgagt	ggctcatcct	ccctttgggc	ataacgctgc	ccttgggggc	360
tccagaaaca	ggcgggtggg	attgtgccgc	tgagacctgg	aagggcagcc	agcgtgccgg	420
ccagctgtgt	gcattgctgg	cttaatatgc	agggcttggg	gggctgtggc	cacatgcccg	480
gcaggaggtg	agtgaggagc	cctgtggcgt	gctggtgtgg	ggatcgtggg	catttcaaac	540
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<210> 101

<211> 784

<212> DNA

<213> Homo sapiens

<400> 101

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cttcttcctg	tcattgatcc	agactaatac	tctgggggtca	gcctcatctt	ttctctttct	180
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gatcawattt	tatttaaaaa	tactttacaw	akgtttatkg	ccaaatatta	graaatacag	420
attcatggaa	agaaaaatca	ctgtcccaag	gaggctcactg	gcattggtgag	gttaaggggt	480
gatttttaatt	tttaaaaaatg	tatatTTTTT	cctgtgtaga	gtagtaaacac	ccttgaaaac	540
acawtccctt	gtaaagtctc	taattctgta	ctccgcactc	agstgrtctc	ttctttctca	600
gatatttttac	aattttcattt	atcaccacct	ttctctagcc	tttaccgctc	tcttcaatat	660
twacatatgc	agaagtcttct	cctaacaac	acctgcctct	gcctcagttc	tgctaccacc	720
ctgttgcttt	ctttcccttc	acaatcaaat	ttaagagtgt	caaaaaaaaa	aaaaaaaaac	780
tcga						784

<210> 102
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 102
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 gaaattatca aatagtgtctg aacagaataa gatgttaacg ctgagttatt aggactggaa 120
 ggctatgaaa agaacttgaa attgtcggaa tatgtgtctt cttcatgtca tattcaatag 180
 aagtttctag tttaagaattg attttgtgtt ttcttaggca tttcaagtga caagcaaagt 240
 aaatgtatat attatgtgat aaatcatgtt ttcaagaacg tcaaatttct ggactttttt 300
 ctttcaattt ttaattttta aagttttttt ggtattaaaa aatctattca caagccaaaa 360
 aatatataaa atatacagcg aaaagccaaa aaaaaaaaaa aaaa 404

<210> 103
 <211> 2218
 <212> DNA
 <213> Homo sapiens

<400> 103
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 gtttcttaag ttggaacagg ttctctcggg cctgttttga ctgattgctg gagtgcattt 240
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 ccccgttact gaaaaataac catttttagtg tcaggctaga aattgaattg ctgagttttg 360
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 gcatctgggt ggaagctgcc tatatttctt cccagtttaa ctggggacca tctgtgaaat 480
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 2218

<210> 104
 <211> 1351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (544)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (774)
 <223> n equals a,t,g, or c

<400> 104
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 ctccgcctcc cgggttctca ccattctcct gcctcagcct cccgagtagc tgggactaca 180
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 tcagratgca ttcttttttt ttccggarac ggaktttcac tcttgctgcc casgctggag 720
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 taaaacttat aatgcatgta aaaaaaaaaa a 1351

<210> 105
 <211> 2066
 <212> DNA
 <213> Homo sapiens

<400> 105
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 cacctctgaa gttttgcagc gccagaaaag gaggcgagga aggagggagt gtgtgagagg 180
 agggagcaaaa aagctcacc taaaacattt atttcaagga gaaaagaaaa agggggggcg 240
 caaaaatggc tggggcaatt atagaaaaca tgagcaccaa gaagctgtgc attgttgggtg 300
 ggattctgct cgtgttccaa atcatcgctt ttctgggtgg aggcttgatt gctccagggc 360
 ccacaacggc agtgtcctac atgtcgggtg aatgtgtgga tgcccgttaag aaccatcaca 420

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cccacatgga	gatgagtcct	tggttccaat	tcatgctgtt	tatcctgcag	ctggacattg	600
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gtgatgtcct	tcctttcatg	gaaattgggt	ctgtggccca	taagttttac	cttttaaaca	840
tccggctgcc	tgtgaatgag	aagaagaaaa	tcaatgtggg	aattggggag	ataaaggata	900
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gcagttgtca	cagtcacatt	gattgtactt	gtatacgcac	acaaatacac	tcatttagcc	1980
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<210> 106

<211> 1705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (724)

<223> n equals a,t,g, or c

<400> 106

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agtcctgcc	cagcgcttgg	aatcctacgg	ccccacagc	cggatcccc	cagccttcca	180
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tcccaaggcc	gcctcctgct	agcaagaaca	gagtcacccc	tcctctggat	attggggagg	1080
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<210> 107
 <211> 1167
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<400> 107	
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tcacggcatc	cccatagacc
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cttctgactt	gatctcccc
agttgatgac	gtcgatctcg
gctccccatc	tgggcaactg
gcgcgtgtga	aggagcggcc
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gcccgaaccg	caatcttccc
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	660
	720
	780
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	900
	960
	1020
	1080
	1140
	1167

<210> 108
 <211> 1907
 <212> DNA
 <213> Homo sapiens

<400> 108

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tgagatctct	gcagtgtgtg	aaaaagggaa	tttcaacgtg	gccccatggg	tggcatggtc	480
atattacatc	ggatatctgc	ggctgatcct	gccagagctc	caggccccga	ttcgaactta	540
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ttgcggtttc	cttatactcc	acccctttct	caacggtcct	tttttaaagc	acatctcaga	1860
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<210> 109

<211> 611

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (607)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (610)
 <223> n equals a,t,g, or c

<400> 109
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<211> 1043

<212> DNA

<213> Homo sapiens

<400> 113

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<211> 703

<212> DNA

<213> Homo sapiens

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<212> DNA

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<222> (3679)

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<210> 116
<211> 1965
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (51)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (476)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1136)
<223> n equals a,t,g, or c

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<400> 116

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<210> 117

<211> 503

<212> DNA

<213> Homo sapiens

<400> 117

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cggcctgggtc	cgcaatttaa	aaacgcacag	ccaccattcc	ctytccagaa	agcaccacaga	120
tgccttttggg	agaaccagcc	tcctccatgg	aggaaagctt	gggatctgcc	ttcccacctg	180
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actcaatagt	agaaaaagta	agaaatatac	aaagatagca	gatacacgga	gacagttccc	300
caaataagctg	agcgawtagc	gcagaagcaa	tattgaagac	ctaataagctg	agacatttcc	360
agaactgata	aagtgcattc	agccacagat	caagcagccc	agaaaattcc	aggcagcatc	420
aacaaataaaa	tagccccaca	tgcacccggt	aaaatgcaga	agaccaaaaca	aaaaagtccg	480
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<210> 118

<211> 1071

<212> DNA

<213> Homo sapiens

<400> 118

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cgcccgctg	aagaaactac	aagagcaaga	gaaacaacag	aaagtggagt	ttcgtaaaag	180
gatggagaag	gaggtgtcag	atttcattca	agacagtggg	cagatcaaga	aaaagtttca	240
gccaatgaac	aagatcgaga	ggagcatact	acatgatgtg	gtggaagtgg	ctggcctgac	300
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cggcaaggga	gcagccaaag	acgcagccca	catgctacag	gccaataaga	cctacggctg	600
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ggaattttct	tycccatggg	gctgggggtac	tttacattca	ataaatactg	tttaacccaa	1020
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<210> 119

<211> 1101

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1101)

<223> n equals a,t,g, or c

<400> 119

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<210> 120

<211> 282

<212> DNA

<213> Homo sapiens

<400> 120

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accttatctt	tgcaatatgt	tcggggccac	cttccactcc	ttgggtcttg	ttctctcttg	180
gcctaacttg	tcccttctcc	acttcacatc	cccggtggga	cagcattcct	ccttctctcc	240
aacctccctc	cgtctcraaa	aaaaaaaaaa	aaaaaaaaaa	tt		282

<210> 121

<211> 2635

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2605)

<223> n equals a,t,g, or c

<400> 121

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cccacttccc	tcagccccc	gggyttcctt	ctggcccctc	tgaggattcc	ctagggctgc	240
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<210> 122

<211> 994

<212> DNA

<213> Homo sapiens

<400> 122

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scaagaggtg	aaacaagatg	tgagagacaa	ggggtaggga	agaaatgggg	cagcggtttag	180
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<210> 123

<211> 1542

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1445)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1515)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1520)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1535)
 <223> n equals a,t,g, or c

<400> 123

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tttgtwattg	gtttnggatn	ggggaagggg	gggangggcg	gg		1542

<210> 124
 <211> 1390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (498)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (499)
 <223> n equals a,t,g, or c

<400> 124

caagctctaa	tacgactcac	tatagggaaa	gctgggtacgc	ctgcaggtac	cgggtccggaa	60
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ctcgtcatgg	tggcgccctg	gtggtacttg	gtagcggcgg	ctctgctagt	cggctttatc	180
ctcttcctga	ctcgcagccg	gggcccggcg	gcatacagccg	gccaagagcc	actgcacaat	240
gaggagctgg	caggagcagg	ccgggtggcc	cagcctgggc	ccctggagcc	tgaggagccg	300
agagctggag	gcaggcctcg	gcgccggagg	gacctgggca	gccgcctaca	ggcccagcgt	360
cgagcccagc	gggtggcctg	ggcagaagca	gatgagaacg	aggaggaagc	tgtcatccta	420
gccaggagg	aggaaggtgt	cgagaagcca	gcggaaaytc	acctgtcggg	gaaaattgga	480
gctaagaaac	tgcggaannt	ggaggagaaa	caagcgcgaa	aggcccagck	tgaggcagag	540
gaggctgaac	gtgargwgcg	gaaacgactc	gagtcccagc	gcgaatgagt	ggaagaagga	600
ggaggagcgg	cttcgcctgg	aggaggagca	gaaggaggag	gaggagagga	aggcccgcga	660
ggagcaggcc	cagcgggagc	atgaggagta	cctgaaactg	aaggaggcct	ttgtggtgga	720
ggaggaaggc	gtaggagaga	ccatgactga	ggaacagtcc	cagagcttcc	tgacagagtt	780
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cctacgcact	caggacacca	taaatacgcat	ccaggacctg	ctggctgagg	ggactataac	900
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ggccaacttc	atccgacagc	ggggccgggt	gtccatcgcc	gagcttgccc	aagccagcaa	1020
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ccctcttgga	ctcagagttg	gtgtggccta	cctggctata	catcttcctc	cctccccacc	1140
atcctggggg	agtgtggtg	tggccaggca	gttatagatt	aaaggcctgt	gagtactgct	1200
gagcttggtg	tggcttggtg	tggcagaagg	cctggcctag	gatcctagat	aagcaggtga	1260
aatttaggct	tcagaatata	tccgagaggt	ggggagggtc	ccttggaagc	tggtgaagtc	1320
ctgttcttat	tatgaatcca	ttcattcaag	aaaatagcct	gttgcaaaaa	aaaaaaaaaa	1380
aaaaactcga						1390

<210> 125

<211> 1288

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1286)

<223> n equals a,t,g, or c

<400> 125

ggcgccgggg	tgaaaggcgc	attgatgcag	cctgcggcgg	cctcggagcg	cggcggasca	60
gacgctgacc	acgttccctc	cctcgggtctc	ctccgcctcc	agctccgcgc	tgcccggcag	120
ccgggagcca	tgcgacccca	gggccccgcc	gcctccccgc	agcggctccg	cggcctcctg	180
ctgctcctgc	tgctgcagct	gcccgcgcgc	tcgagcgcct	ctgagatccc	caaggggaag	240
caaaaggcgc	atccggcaga	gggaggtggt	ggacctgtat	aatggaatgt	gcttacaagg	300
gccagcagga	gtgcctggtc	gagacgggag	ccctggggcc	aatggcatte	cgggtacacc	360
tgggatccca	ggtcgggatg	gattcaaagg	agaaaagggg	gaatgtctga	gggaaagctt	420
tgaggagtcc	tggacaccca	actacaagca	gtgttcattg	agttcattga	attatggcat	480
agatcttggg	aaaattgcgg	agtgtacatt	tacaaagatg	cgttcaaata	gtgctctaag	540
agttttgttc	agtggctcac	ttcgggctaaa	atgcagaaat	gcatactgtc	agcgtttggt	600
tttcacattc	aattgagctg	aattgttcagg	acctcttccc	attgaagcta	taattttatt	660
ggaccaagga	agccctgaaa	tgaattcaac	aattaatatt	catcgcactt	cttctgtgga	720
aggactttgt	gaagggaattg	gtgctggatt	agtggatgtt	gctatctggg	ttggcacttg	780
ttcagattac	ccaaaaggag	atgcttctac	tggatggaat	tcagtttctc	gcatacattat	840
tgaagaacta	ccaaaataaa	tgctttaatt	ttcattttgct	acctcttttt	ttattatgcc	900
ttggaatggt	tcacttaaat	gacatttttaa	ataagtttat	gtatacatct	gaatgaaaag	960
caaagctaaa	tatgtttaca	gaccaaagtg	tgatttcaca	tgtttttaaa	tctagcatta	1020
ttcattttgc	ttcaatcaaa	agtggtttca	atattttttt	tagttgggtta	gaatactttc	1080
ttcatagtca	cattctctca	acctataatt	tgggaatatt	gttgcggctc	tttgtttttt	1140

ctcttagtat	agcatttttta	aaaaaatata	aaagctacca	atctttgtac	aatttgtaaa	1200
tgtaaagaat	tttttttata	tctgttaaat	aaaaattatt	tccmacaacc	ttaaaaaaaa	1260
aaaaaaaaaa	aaaaaaaaaa	aaaaanaa				1288

<210> 126
 <211> 1517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1123)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1510)
 <223> n equals a,t,g, or c

<400> 126							
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aaacattcct	tcctaaatcc	tttattatat	tgaatatcgt	attaattggt	tttcagaggt		120
taaattaacc	atgtattcct	gcaataaatg	tcacttgtn	cttgatatata	atctttttta		180
tatattaccg	gattgattca	ttagtatttt	gttgaggatt	tttgtgtcta	tattcataag		240
agatgctggg	ctgcagtttt	ctttttttgt	gataatctgg	tttttgtatc	agtaatacag		300
gccccatgaa	acgagtgggg	aagtgttcac	ctctcttgta	ttttttcaag	agtttgtgaa		360
gaattgctat	taattccttta	aatgtttggg	agaatctacc	attgaaatca	tgtgtcctgg		420
gctttttttt	gagggaagtg	ttctgataac	taattcagta	tctacttttt	atagctctgt		480
tcagattttg	cttcttcctg	agttagtttt	ggtaatttgt	gtatctctag	gartttgtcc		540
atttcattta	tctcatttgt	tggcataaat	taaactaaat	ttggcctgag	cctacctgta		600
tatcttgagt	ccctctgtaa	ggaaactgtg	cctaacttgt	acataaacia	actgaaatcc		660
taaattagga	atgtagtttt	tgtaacagct	cctgagtcct	aggcagtcac	agcagycagg		720
tctgtcaatt	gcaggctgct	aactaagcag	cccatgstca	aatgaggcaa	aaacctttgc		780
ttttaacaca	tagtatagct	ttgtaatcct	tttcttgac	actcgggtaa	tttcttcctt		840
tttcattccc	kgwattttcc	akgaatatga	rtctyccttt	tttccctcc	tgtcagtcct		900
gctaattggt	tgtcaatttt	gttgatcttt	tgaaraacia	acctttgggt	ccactttctt		960
gttgcatatg	ctgartattc	tcataattgg	agtggaaagc	tgatctttga	ttacttattt		1020
tacttagggc	tgaggagttc	atggacttcg	caaaacctcc	ttgaatctaa	attgcatctt		1080
ctttcctggg	ttctgggctg	aaacatgttt	tttcccatct	wanawacct	tgggtctttc		1140
atkggcgatt	aagactagag	aaagtctctg	atmccttgct	cttttatgct	gtcattttgt		1200
ttaaaggctt	tctatgtagt	aaaactatct	atatagacia	aatagagcct	tgagttgtgg		1260
tcttgaattt	gatcaacatg	atttaccaca	ttctgtactg	gatatttctt	cacctgctgc		1320
tactgtaaac	cattttattc	ttggatcttc	tgtagagtat	attatcacag	gtacttttta		1380
caggggtgtc	taatcttttg	gcttccctgg	gcacattgaa	agaagaagaa	ttgtcttggg		1440
ccacacatca	aatacgctaa	cactaataat	agttgatgag	ctaaaaaaaa	aaaaaaaaaag		1500
gcaaaaaagn	cccaaaa						1517

<210> 127
 <211> 1073
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (495)
 <223> n equals a,t,g, or c

<400> 127
 tgaatctatt ctttgaacat tctacaacaa gaattacatt atactgttat accagagtac 60
 ttctgcagtg tgaaatagat tggtttggaa aatgaacctg gctttgctat aaattacatt 120
 cacaggcctt tttgcaaagt tgtaacttgc ctatcaaagt agtttgtagg gcaaatacag 180
 aatataatgt tccatcttgt aaagtacctt wtaatcatgt gggaaatcaa gtagtatcag 240
 aacttgggtcc aatagtcctaa tttgttaaag ccaagggcca ttctcttagt gatgggcttg 300
 aggaagtcca aaaagcagaa atgaaagctt acatggaatt agtcaacaat atgctgttga 360
 ctgcagagct gtatcttcag tgggtgtgat aagctacagt agggrrmgatc actcatgmta 420
 ggtatggwtc tccttacctt tggcctctgw wtcataatctt ggccatcaaa aaacagtggg 480
 aagtcaaacg taagntgaaa gctattggat ggggaaagaa gactctggac caggtcttag 540
 aggatgtaga ccagtgtgtt caagctctct ctcaaagact gggaacacaa ccgtatttct 600
 tcaataagca gcctactgaa cttgacgcac tggatatttg ccactctata accattctta 660
 ccacacaatt gacaaatgat gaactttctg agaagtgtaa aaactatagc aacctccttg 720
 ctttctgtag gagaattgaa cagcactatt ttgaagatcg tggtaaaggc aggctgtcat 780
 agagttatgt gttagtctca ggagttctaa cttttgaaat atgttttact tgaatgttac 840
 attagatatt ggtgtcagaa ttttaaaacc aaattactgc tttttgaaac ctcaaattat 900
 ataattgtat ttatgtatgt gcttttatatt gttatttttg tatacattaa aataattctg 960
 aattatttaa tctgatattg tgtattctgt atcttgaaat ttttgtttcc ttgaaacatg 1020
 catgcattta aaaataaagc ttaaacaact gtaaaaaaaa aaaaaaaaaa ctc 1073

<210> 128
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (273)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (294)
 <223> n equals a,t,g, or c

<400> 128
 caacccttgc cttttttttg ttttccattt gcttggtaga tcttcttcca tccctttatt 60
 ttgagcctat gtgtgtctct gcccggtgaga tgagtctcct gaatacagca cacttactgg 120
 tcttgactct gtatccaatt tgccagtctg tgtctttcat ttggagcatt tagcccatct 180
 acattttaag tkaattattg tatgtgtgaa tttratcytr tcattatgwt gttagctggg 240
 tatttttgctt gttagttgat gcagtttctt ccongcatca atgggtctta caanttgga 300

<210> 129
 <211> 1275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1152)

<223> n equals a,t,g, or c

<400> 129

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ggcagagcct gtccttctgtg cccctgcaaa aaaaaccccc tctgggtgtga gcaggatggg      60
tggaggttat gtgagctcct tctcctttcc tccagtttcc tcttcccttc tcttccctgc      120
ctcttttctg tttccctttc ttctgtgtac cccctgcca ttctgttatt ttctcccatc      180
gccattctcc cctctccac tgtccctaac ccgttcaaac tctttcctct taaatgggtg      240
agattttctc tcaccaagca caccacagta ttaattaaac tagctgcaaa caggcagcaa      300
gtggtctacc atgacagatg ggttttctgt gtgtgtgtgt gtgtgttaatt gtaataaaac      360
atattgartc actcaataaa cacagagtgt ctactacatg tatcargcac tatcatagat      420
gctaattaac gaaactgaaa tggccaggcc ctcacagtgg ctcatgccta taatcccagc      480
actttgggag gatgaggcag gaggatcact tgaggccggg agttcaagac cagcctgggc      540
aacatagtaa gactccatct ctacaaaaaa aaaatttttt ttattatact ttaagttttg      600
ggttacatgt gcagaacgtg tagttttgtt acataggtat atacgtgccc tggtagtttg      660
ctgcacccat caacccatca cctacattag gtatttctcc taatgttacc cctctcctag      720
ccccccaccc cgtgacaggc cctgggtgtg gatgttcccc tccctgtgtc catgtgttct      780
cattgggtcaa ctctcaccta tggagtgaga acatgtggta tttggttttc tgatcttctg      840
atagcttgct gagaatgtkg gtttccagct ttatccacgt ccctgcaaag ggcataaaact      900
catccctttt tatggctgca tagtggtcca tgggtgtatac gtgccacatt ttcttaatct      960
atcattgatg gacaagtttt gctattgtga atagtgccac aataaacata cgtgtgcgtg      1020
tgtctttata gcagcatgat ttataatcct ttgggtatat acccagtaat gggtatcactg      1080
agtcaaatgg tatttctcgt tctagatccg taagggaattg ccacactgtc ttccacaatg      1140
tttgaactaa tntacactcc caccaacagt gtaaaagtgt ttctattttt ccacaacctc      1200
tccaacatct gttatttctt gactttttta tgaacgtcat tctaactggc gtgagatggg      1260
atctcattgt ggtttt                                     1275

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<210> 130

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (472)

<223> n equals a,t,g, or c

<400> 130

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cngaaacccc gtgaaccctc cccgggttaa aaagcccccc ctaaatgggg ggaacgcytc      60
acacgttata aaaaagcact agaattgttt gaaagcgaga aacaacagct gtgtagggta      120
gctagcagtt agtgttgtac agaagacaga tatttgtgca ttttgcatt ttctaagttt      180
gctgcaatga gcatgtatta ctttcatagt tataaaacac atgcaaaatg cctttttaaa      240
atgaaaaaaa atccatgagt gtaagtgata tatatgtttt ggaaagcctg ggacgggtcat      300
tgtttactct caatagtatg tgtttgcctt tgtctttttg agacattttg ttttaactctg      360
ttgatgacaa taacctgttg ataataaac ttgataacaa ataaaatgac ttatgattga      420
awmaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nn      472

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<210> 131
 <211> 1950
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (132)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (225)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (249)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (577)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1933)
 <223> n equals a,t,g, or c

<400> 131
 acctctcaga atcttctctc agcaacctga gtcttcgccc ttccctcagag cgcctcagtg 60
 acacccctgg atccttccag tcaccttccc tggaaattct gctgtccagc tgctccctgt 120
 gccgtgcctg tnattcgctg gtgtatgatg aggaaatcat ggctggctgg gcacctgatg 180
 actctaacct caacacaacc tgccccctct ggcctgccc ctttntgccc ctgctcagtg 240
 tccagacctn tgattccccg cccagtgtcc ccagcccaa atctgctggt gccagtggca 300
 gcaaagatgc tcctgtccct ggtggtcctg gccctgtgct cagtgaccga agctctgcct 360
 tgctctggat gagccccagc tctgcaacgg gcacatgggg ggagcctccc ggcggttga 420
 gagtggggga tgggcatacc tgagccccct ggtgctgctg aaggagctgg agtcgctggt 480
 agagaacgag ggcagtggag tgctggcggt gcctgaactg cctctgccc accccatcat 540
 cttctggaac cttttgtggt atttccaacg gctacgctg cccagtattc taccaggcct 600
 ggtgctggcc tcctgtgatg ggccttcgma ctcccaggcc ccatctcctt ggctaaccct 660
 tgatccagcc tctgttcagg tacggctgct gtgggatgta ctgaccctg accccaatag 720
 ctgcccacct ctctatgtgc tctggagggt ccacagccag atccccagc ggggtggtatg 780
 gccaggccct gtacctgcat cccttagttt ggcactgttg gactcagtgc tgcgccatgt 840
 tggactcaat gaagtgcaca aggtctgtgg gctcctgctg gaaactctag ggccccacc 900
 cactggcctg cacctgcaga ggggaatcta ccgtgagata ttattcctga caatggctgc 960
 tctgggcaag gaccacgtgg acatagtggc cttcgataag aagtacaagt ctgcctttaa 1020
 caagctggcc agcagcatgg gcaaggagga gctgaggcac cggcgggcgc agatgccac 1080
 tcccaaggcc attgactgcc gaaaatgttt tggagcacct ccagaatgct agagacctta 1140
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 cttccctggt gccttccatg agttgggaac aggtgggaa ggatgccag tcaaaggctc 1260
 caagcgagga caacaggaag agggatccac tgttaccaa agtcctgatt ccccatcac 1320
 caacctaccc agtttgttcg tgctgatgtt gggggagatc tggggggagt tggtagact 1380
 ctgttcttcc cttgtcctat accgggaact cccctccagg gtaccacag atctgcattg 1440
 ccctggctat tttagaagtt tttgttttaa aaaacaactg gaaagatgca gagtactga 1500
 gcctttgccc tgaatgggag gtagggatgt cattctccac caataatggt ccctcttccc 1560
 tgacgttgct gaaggagccc aaggctctcc atgcctttct acctaatgtt ttgtatttta 1620

ttttaaatta	tttattcttg	agccacagcc	cccttgctta	tgagggtctt	atggagagt	1680
agaaagggaa	gggaaatagg	gcaccatggt	ccggtgggtt	gtagttcctt	caaagtcagg	1740
cactgggagc	tagaggagtc	tcaagctccc	cttaggaaga	actggtgccc	cctccagtc	1800
taatttttct	tgccctgccc	gccttgggga	atgcctcacc	caccaggtc	ctgacctgtg	1860
caataaggat	tgttccctgc	gaagttttgt	tggtatgtaa	tatagtaaaa	gctgcttctg	1920
tctttttcaa	aaaaaaaaaa	aaaaaaaaact				1950

<210> 132
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (657)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (852)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (859)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (962)
 <223> n equals a,t,g, or c

<400> 132	
tggaagattt	aaaatagggt
cttgagtcct	tattattatg
agcctgatct	ttttcatatt
gaaatgtatt	tttgcattgt
cttttaagca	tgatattttt
atattttacat	gtaatgtaat
ttatttttatc	tagggcatatt
aycattgtat	tttccyctat
tttcagaatt	gcaaatatgcc
ccacttactt	gaaaattctg
cttgatattt	tactactcct
ttattatctt	atyctccatt
ttctatgtga	tgaacctaat
attaaatttt	tatttttggg
gcataatagaa	tnctaggtng
gcttctatca	tttckgtkga
cngaattttt	tcattgtctt
	ggtttttagga
	cttgaatatg
	aatatataag
	cttgaataag
	acaaatgctt
	cttatattaa
	acatttccat
	aggtatgcty
	ttttacttgt
	ccaacctatt
	aaatattttt
	ttgtggstat
	aacctaaatt
	attactttta
	ttttatgcat
	tttaattcta
	acaagccaaa
	atataatntg
	actatgtatg
	ctcaatttcc
	tagcctggcc
	gcatacttat
	cattwatatk
	tagtttttca
	ttttaaatta

<210> 133
 <211> 1720
 <212> DNA
 <213> Homo sapiens

<400> 133

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ccgctggagt	ttgcagtttt	ccagctttat	acaggatttt	cctttgactg	gaagagtcaa	120
ggatatagag	actcaacagt	gacattttat	gtacaacatc	aaggggaata	ggatactcat	180
caaactggga	ttattcttat	caaaacatgg	tcttctttga	ataagaaaaa	tacatagttg	240
gttattatgg	acttaaaact	gtgttaaagt	gatattctga	taaaatattt	gctgctctgt	300
agagtgtgga	aaatctgaga	atattagctt	tactcatctt	gagctttgag	gatgttctct	360
gtacgccgat	ggtttcatat	taactaaaaa	agctggggtat	tgtaaaatct	catttataaa	420
aactcagatg	agaagaaaaa	tttctttgat	ggtgagactg	ttgtcttagt	tcaggaaatt	480
atttaataat	cctttgttac	ctgtgaatga	aggaactttg	taattctgat	ttatcgtaaa	540
acatgagcct	ttccagagtc	agcttagaca	ctgttgctgc	aaatagccat	gctttgcctt	600
atgccaagga	ggcccagagg	gagggcctag	tcttctctctg	ttgctgtaca	tatattgaaa	660
tgcttttttt	ttttattttg	catttggttat	ctataatgag	ccttctgagc	cctgatatta	720
tgtgagacaa	acaggagtta	ttgatgttat	acactccctt	ccattcagga	ttttctgcct	780
ggagggaaa	atgttgacct	tagagaattg	tgaatattgt	tgcaattctt	gaatatatta	840
ccatgtgaat	aatagagact	gtgttgctct	ctagtataag	ctatatttat	ttttgattca	900
tttgaattac	tagttataac	tggagaaatt	ttgttacctc	tatcctggct	tgccctgactg	960
gctgtataat	agcagcagcc	tcttttagag	catcttaatg	aaaacatgga	tgaaaggaat	1020
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aaaatatgta	atattttata	tgttatacca	tgcatatat	acttgcaata	tcagaccttg	1620
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<210> 134

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (409)

<223> n equals a,t,g, or c

<400> 134

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ttaaatatag	caccttttat	taaccagttt	caggtaccta	tacgtgtatt	tttggaacct	240
tcctcattgc	cctgtatacc	tttaagcaag	ccagtgggac	tcttaagact	agatttaaatg	300
actccgtatt	tgaacacctc	taacagagaa	gtaaagggtat	acgtttgttna	aatctggggaa	360
gacttgactg	ctattccatt	ttgggtatca	tatgtacctt	gatgaagang	attagggttgg	420
gatacttcaa	gtgaagcctc	ccactggaaa	caagctgcag	ttgtttttaga	taatcccatc	480
caggttgaaa	tgggagagga	acttgctactc	agcattcagc	atcacaaaag	caatgtcagc	540
atcacagtaa	agcaatgaag	agcagttttc	caatgaaaac	tgtgttaaata	gagcatcaac	600

aagtacaaaa ttcttgtctt aattagtggt ggtatataaa aattccttgt aatggtcaaa 660
tatttttttaa aattgacatt aataaagcat attttaaaag tttct 705

<210> 135
<211> 323
<212> DNA
<213> Homo sapiens

<400> 135
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gtattgctgt tcctcagttt tgcctgggga aatggaggst cagtgcggtt cagtgcggtg 180
cccagagtca tgccattggc ggggtggcca gkgmtccagg tctccagcac cctcggccc 240
cctcctcacc aggtcacatc atctcctgga ttagaatctg ctcacatagt ctgtcctgaa 300
aggaaaaaaa aaaaaaaaaa aac 323

<210> 136
<211> 582
<212> DNA
<213> Homo sapiens

<400> 136
ggacggaatg gtgcaaccct cctwamtttt ctkgkgtgt tgacaacaga gggagggagg 60
gaaaacattt ttygtgggag aatcctacyt ctgcagsgga gcccttaagc gatkgatttt 120
gaatctkgac cttttacca ctaattttga aggaagatac cttggaaata tttggcattc 180
agtgggttac tgaaacagca ttagtgaatt catctagaga actctttcat ttattcaggc 240
aacaactgta caacttgaa accttggtac agtccagttg tgattttggg aargtatcaa 300
ctctacactg caaagcagac aatattaggc agcagtgtgt actatttctc cattatgtta 360
aagttttcat cttcaggtat ctgaaagtac agaattgctga gagtcagtgt cctgtccatc 420
cttatgaggc tttggaggct cagcttcctc cagtgtgat tgatgagctt catggattac 480
tcttgatat tggacaccta tctgaacttc ccagtgttaa tataggagca tttgtaaata 540
aaaaccagat taagggttga ctggtttcat ttgattttta ag 582

<210> 137
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1014)
<223> n equals a,t,g, or c

<400> 137
ttcggcagag cccttgccgc ctcttgaata cctgckttct gtagcgctag ttctcttcaa 60

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aaccgcagag actcaggctc crgcagcttc cctggagcag tcctctccat ccytgggaca 720
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a 1021

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<210> 138
<211> 1777
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (58)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (118)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (237)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (661)
<223> n equals a,t,g, or c

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<400> 138
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tagctcactg cagccttgaa ctccctgggt caggcaatcc tcctacctta gcctcctgag 180
tagctaggac tacaggaatg tgccatcatg cctggctaatt ttttaagttt tttgtanaga 240
tgggatctca ctatgttgcc caagctgggt tcagattcct gtgctcaagg gattctgcta 300
acttggctcc ccaaagtgtc gggattacaa atgtgagcca ctgtatctgg cccatattct 360
tttttaagaa aaagatgcag aggtgttaaa tattaatatc aaattgtcca ggcattggtg 420
ttatgaaatt gtgtgccctc tgacaggcaa ccaaacacac acgacttcat ttctttatta 480
attcctgcct catcatcttt tctcattgat gctccttaat gtcaaaggaa tctctctctc 540
tcacacacac ataagaccaa acaaaatatc ttgaacatgc aaaaaaatag tctacgcttt 600
tgaatagtgt gcactgttga atagtgtgca ctgttgata gtgtgcaactg ttgaagtgtg 660
natgtgccta aggcaacagg atcttgggaa agctctagat ttttggcytc gaaataaaac 720
tgcattgtga atagcaggtt ttacatttta ttattgttgt gtatttcctc ccctttttgc 780

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aatactatct	acgctgagtt	atctattgcc	aactagcacc	aattctccaa	atcaaagtgt	840
gtgaggaaaa	cacactcgtg	caatcctctt	taacagaaga	tacaccaagt	aacctgtctg	900
tctacttctg	ttacccagaa	ataaaaagaac	ttgaagggtt	gcttggctgg	aggggtccgg	960
gtgggagagc	atcctgccct	cagtcggaat	ccatggtgaa	cagctggatg	tcctgtggat	1020
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cctcgggctg	ctcctcttcc	acataattga	atttcaattc	tggaaatttc	ttcagtctgt	1140
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ctccccaagg	agatttcagt	taaaactcgt	tctgaatacc	aagtaatat	ttttagtata	1740
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<210> 139
 <211> 643
 <212> DNA
 <213> Homo sapiens

<400> 139						
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cggcagcctt	ggtgaccttg	agcacgttga	agcgactgt	cttgctcaga	ggccggcact	180
cgcacctgt	gacgatgtca	cgatctgga	cgtccctgaa	gcagggggac	aggtgtacag	240
acatgttctt	gtggcgcttc	tcgaagcggg	tgtacttgcg	gatgtagtgc	agatagtctc	300
ggcggatgac	aatggctctc	tgcattctca	tcttgggtca	ccacgccaga	gaggatccgc	360
cctcgaatgg	acacattacc	agtgaagggg	catttcttgt	caatgtaggt	gcccctcaat	420
agcctccttg	gggtgtcttt	gaagcccaga	ccgatgttct	tgttagtaac	ccgcgggagc	480
ttctccttgc	cagtttctcc	cagcaggacc	ctcttcttgt	tttgaaagat	ggtcggctgc	540
ttttggtagg	cacgctcagt	ctgaatgtcc	gccatcttct	cgtgccgmay	tcctgcagcc	600
cgggggatcc	actagttcta	gagcggccgc	accgcgggtg	agc		643

<210> 140
 <211> 1220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (404)
 <223> n equals a,t,g, or c

<400> 140						
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tcctggctca	ctgcaacctc	tgcctcctag	cttcaaggga	ttctcctgcc	tcagcctccc	120
gagtagctgg	gattacacgt	gccaccacc	acgcccact	aatattkgta	tttttagtag	180
agacggggct	tcaccagggt	ggccaggcta	gtcttggaac	tcctgacytc	gtgatccacc	240
tgcytggcy	tcccaaagt	ctgggattac	aggtgtgagc	cgtcttgtgt	tttttgtttt	300
tgtttgtttt	taaaagatgg	artttcactc	ttattgcccs	ggctggaktg	caatggcacr	360
atctcggctc	accgcaatct	ccacctcctg	ggctcaagca	attnttctgc	cccagcctcc	420
caaagtgcct	gaattacagg	tgcccgccac	catgcccaac	caattttcsg	taytcytagt	480
agaggtgggg	tttcacaacg	tkggccaggc	tggytcaaaa	ctcaaaytcc	tgacytcagg	540

tgatctgccc	actttggcyt	cccgaaatgc	tgagactaga	ggcgcgagcc	accacgcctg	600
gcctacaaac	acattcttgt	ttgggttttt	atataaaaata	tgagcacaaa	aatactttcc	660
ctaaatacag	cctctggctt	tgccaaaccc	ttggcacaca	sccaagtacc	tcttccattc	720
tcagatacgt	gaggggagtg	tatagagggt	tagagtacat	acgtttcttc	tccaactctt	780
cgtcgtctag	aagaagacta	accacctctt	tgggtttcaa	ggtatctggg	ttgaagttcc	840
cacctgaaat	caccatccgc	tgaatctcac	tcttctcctt	ggctctttgc	agaatgcgtt	900
cttcaatggg	gcctttacag	atgagccggg	acacagtaac	ctgctttgtc	tgccctaagc	960
ggtggggccct	gtccatggcc	tgctgggtcca	cagtgggggt	ccagtcgcta	tcatagaaaa	1020
tgcaactgtg	ctkcagcagt	gagattgata	cccagtcctc	cagctcgtgt	gcttaacagg	1080
aacacaaaga	tgtcattcct	gttctgaaaa	tcagcaacca	tgtctcgcct	ctccgagatc	1140
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<210> 141

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (623)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (638)

<223> n equals a,t,g, or c

<400> 141

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tcaacagtgc	tgcaagagga	tggttattta	acgctggccc	ccaaggagga	aaggcacaga	180
cyttcctccc	tcctggaaca	tccaagggca	ctggatcctc	tgtgtccctc	tgagatgggg	240
tgccactcca	gcaagagcac	cacggtggca	gctgagtccc	agaagcttga	agaagagygc	300
gaggaagag	agccaggctt	ggagaccggc	acccaggcag	cagactgcaa	ggatgccccg	360
ctgaaggatg	gaaccctga	gccaaaagac	tgaaatgcct	ctctccagag	tcggaccctc	420
acctcyttcc	tggaactgcc	tttggcccca	gaaccatgag	acaatcccca	ccctgagaag	480
ctccgatcac	tgggaggaga	gagaaaacct	ccagctttgg	gattcaggct	tcagaagttt	540
ttagcagcct	ttgctcattg	gagaggtggg	gaaaggataa	agttcttata	aggaaatccc	600
taatttcccc	cagctcctcc	ccncnngaag	aaggaaacnaa	agaaagtctc	ttccacacgt	660
tttgttgaaa	acttttccct	tgccaacttt	ccttgggattg	ccagaacaaa	gccctccaga	720
a						721

<210> 142

<211> 1468

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (901)

<223> n equals a,t,g, or c

<400> 142

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gtttttattct	caaaatatag	agattctgtg	atttatttgc	cctgtttatg	gattaaaaag	180
aaaattctaa	tataaagcat	ttcaatagga	tgcataggta	tattacgttt	tttaaatgct	240
ttagatctgt	gattcttgac	ttactattta	ttttatcccc	tttaagtcag	ggatgcttta	300
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kctttattaaa	accttactat	actatttctt	caaggcaagt	aaattgacca	tgrgraaagr	480
acacagttat	taaacactgt	tgacaggaaa	attctccttg	ataacatagg	acaattaatg	540
gaaaaaaaaa	ttctcattat	ttgcaaagaa	tgaacaagtt	aatgaacaaa	caaactagat	600
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agaataattg	ttaaaaatta	agctttttagg	tattagaagc	tgttataaag	tataaaaattt	1020
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<210> 143

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (284)

<223> n equals a,t,g, or c

<400> 143

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tctgttaatc	ttttgtattc	rtttatgctc	tcgtacattg	agtactttta	ttccaaaact	180
agtgggtttt	ctctactgga	aattttcaat	aaacctgtca	ttattgctta	ctttgattaa	240
aaaaaaaaaa	aaaaaaaaaa	aaaccccnag	ggggggggccg	ggtncccaat	cccccccaaa	300

<210> 144

<211> 2243

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (929)
 <223> n equals a,t,g, or c

<400> 144

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cgtgttgcaa	tccctgctgc	ccttagacca	cccagggtct	tgtgtgggta	tgagtgtaga	300
ggatgggggt	atgccaggcc	tgggcgctcc	caggcaggcc	cgctggaccc	tgatgctact	360
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<210> 145
 <211> 1082
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (265)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (354)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1064)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1081)
 <223> n equals a,t,g, or c

<400> 145
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 aaccatctcc cacaattaat tcttgactat ataaatttat ggtttgataa tattatcaat 180
 ttgtaatcaa ttgagatttc tttagtgtt gcttttctgt gactcaactg ccagacacc 240
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 caayagtgtt cccatgtctg ttcttgtgaa atgctctcgg ctatgtagca gcttttgatt 480
 ccctgcatac cctaggctgc tgcccctatc ctgtcccttg tttataacat tgagagggtt 540
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 ng 1082

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 <223> n equals a,t,g, or c

<220>
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 <222> (4015)
 <223> n equals a,t,g, or c

<400> 146
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 ctgaggctcg gctccccgcc cgcgcagcc cactgttgac ccggcccgta ctgcggcccc 180
 gtggccacca tgtccctgca cggcaaaccg aaggagatct acaagtatga agcgccctgg 240
 acagtctacg cgatgaactg gagtgtgctg cccgataagc gctttcgtt ggcgctgggc 300
 agcttctgtg aggagtacaa caacaagggt cagcttgtt gtttagatga ggagagttca 360
 gagtattttt gcagaaacac ctttgaccac ccatacccca ccacaaagct catgtggatc 420

tggcccagct	ggtgatggcc	cttttgctcc	tggcagcctg	aggcacagct	gcctgtattg	3960
tcctcatctg	ttctgactga	aggatggagg	tgctgaataa	attaggcctc	aggcntctac	4020
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<210> 147

<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1053)

<223> n equals a,t,g, or c

<400> 147

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acttctgctg	ttgcatgctg	agcgcacag	ccttggtgtc	ctgcttctgt	ttctgcagag	240
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tgtgccatgg	caggcagtct	cggcttgggc	cctcatggcc	acacagacct	tctactccac	360
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acagtggagt	atgatcccta	actcctgatt	tggatgcata	tgagggacaa	gggggkcggt	1140
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<210> 148

<211> 734

<212> DNA

<213> Homo sapiens

<400> 148

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<210> 149
<211> 1405
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

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<220>
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<222> (842)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1079)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1334)
<223> n equals a,t,g, or c

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<210> 150

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<211> 2890
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<400> 150

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<210> 151
<211> 2399
<212> DNA
<213> Homo sapiens
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<220>
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<222> (73)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (90)  
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (128)  
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (219)
<223> n equals a,t,g, or c
```

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<222> (255)  
<223> n equals a,t,g, or c
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<220>  
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<222> (272)  
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
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<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (2364)  
<223> n equals a,t,g, or c
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ataggaagta	acttaaccag	tctgggaaga	ttcaggcttt	ttctatkaaa	aagcttattc	2340
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<210> 152
 <211> 802
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (730)
 <223> n equals a,t,g, or c

<220>
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<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (777)
 <223> n equals a,t,g, or c

<400> 152

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tttttcctaa	agaataacwt	gaycctttgc	caracggact	acgaggaagg	tttaaatgaa	180
gaaggttatg	caccccmggt	tcgctgatct	atcaacatca	ccccattaag	aatacaaaagc	240
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gaatagcgta	gatataggaa	ggcaggatgg	ttatatggaa	taaaaggcgg	actgcatctg	360
tatgtagtga	aattgcccc	gttcagagtt	gaatgtttat	tattaaagaa	aaaagtaatg	420
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tattttggac	tattgtatat	aatgtattgt	aatatattgaa	gcacaaatgt	aatacagttt	540
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tgtttaaact	tactgtatat	ttatgtcttc	tgtattttacc	agctatttta	aatgagctgt	660
aactttctag	taaagaattg	aaaagcaaat	cctcactaaa	ggatacacag	gataggataa	720
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ggggggggcc	cggaacccat	tc				802

<210> 153
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (77)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (437)
 <223> n equals a,t,g, or c

<400> 153

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tggaagagtc	gtaccaagta	caccattaca	ccagtgaaga	tgagggaagtc	tgggggccga	300
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agaccctaga	cttgtatat	gacacacttg	taccttgtaa	ggcagaggaa	tgtaattaaa	420
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<210> 154
 <211> 2388
 <212> DNA
 <213> Homo sapiens

<400> 154

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aaccgaggcc	ggcgcttcaa	gtgggccatt	gagctaagcg	ggcctggagg	aggcagcagg	180
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aagcaagtgc	ctgataccag	cgtgcaagag	acagaccgga	tccctgggtgga	gaagcgctgc	300
tgggacatcg	ccttgggtcc	cctcaaacag	attcccatga	atctcttcat	catgtacatg	360
gcaggcaata	ctatctccat	cttccctact	atgatgggtg	gtatgatggc	ctggcgaccc	420
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ccccctgaga	gaatggagtt	cagtgggtgga	ggactgcttt	tgtgaacatg	agaaagcagc	660
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atgccaatct	gtatgccatt	ttagtaaagt	aggtaaggag	agtagccgct	cagtaacttt	2220
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aaagatggtc	cagtgccttc	agggaaggat	gttttagccag	ttttcctagt	atttgttcct	2340
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<210> 155

<211> 642

<212> DNA

<213> Homo sapiens

<400> 155

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tagctattac	acactactgc	agatttttaca	ggttttcta	tctaacatat	gtttgaaaaa	180
tccgtgagta	ttccaaaaata	tattttaataa	tgggaatatct	gcattaatat	accatccatg	240
tgtttttacc	atttgcctta	atattgaata	tactgtttac	ctcacactaa	aaagaaaacc	300
agaagcctta	tttgtgtatt	tgggagtggg	agcttccatt	tttgtgtcaa	aaatgaatcc	360
tgattcttat	ggaaatctct	gttattaaga	tattttcaaga	tgagacaaca	ctgaagatca	420
aattgtgttt	agtatcacta	tcttctctcc	tcgtttctct	cttactcctc	atcctcccag	480
aatctaccag	tttatggtag	aaagatggga	accttattttg	aatgtgtttt	tttttttcca	540
tgatgtccaa	ttttgttgtg	ggaaaggatt	tggataaaaat	ttttgtttta	atttttggtag	600
atttttatct	atacaaaatt	aaataaaaatt	atgttttgta	ag		642

<210> 156

<211> 1251
 <212> DNA
 <213> Homo sapiens

<400> 156
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 agagaaaata tcacgggccg ctttccacaa tgcagttgct gtagtcatct acaataataa 180
 atccaaagag gagccagtta ccatgactca tccaggcact gagcatatta ttgctgtcat 240
 gataacagaa ttgaggggta aggatatttt gagttatctg gagaaaaaca tctctgtaca 300
 aatgacaata gctgttgga ctcgaatgcc accgaagaac ttcagccgtg gctctctagt 360
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 aactgaccca gactttgatc attgtgcagt ctgcatagag agctataagc agaatgatgt 600
 cgtccgaatt ctccctgca agcatgtttt ccacaaatcc tgcgtggatc cctggccttag 660
 tgaacattgt acctgtccta tgtgcaaact taatatattg aaggccctgg gaatttgtgc 720
 gaatttgcca tgtactgata acgtagcatt cgatatggaa aggctcacca gaaccaagc 780
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 tgccctcaca ctctgctaca tgatcatcag agccacagct agcttgaatg ctaatgaggt 1020
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<210> 157
 <211> 2127
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (312)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1212)
 <223> n equals a,t,g, or c

<400> 157
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 gacaaccagt caccagcctc aggacagata caaagctgtc tggcttatct tcttcatgct 180
 gggctctggga acgctgctcc cgtggaattt tttcatgac gccactcagt atttcacaaa 240
 ccgcttgga atgtccaga atgtgtcctt ggtcactgct gaactgagca aggacgcca 300
 ggcgtcagcg cncctgcag cacccttgcc tgagcggaa cctctcagtg ccatcttcaa 360
 caatgtcatg accctatgtg ccatgtgcc cctgctgtta ttcacctacc tcaactcctt 420
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 ggtgtttctg atcactgcca tcctggtgaa ggtgcagctg gatgctctgc ccttctttgt 540
 catcaccatg atcaagatcg tgctcattaa ttcatttggg gccatcctgc agggcagcct 600
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 gcctagcagg cttcttttgc tccgtggcca tgatctgcgc tattgccagt ggctcggagc 720
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ctatcaaagc catcctgaaa aatatctcag tcctggcttt ctctgtctgc ttcattctca    1020
ctatcaccat tgggatgttt ccagccgtga ctgttgaggt caagtccagc atcgcaggca    1080
gcagcacctg ggaacgttac ttcattcctg tgtcctgttt cttgactttc aatatctttg    1140
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cagaaggact gcctgcctcc ctccctgtct gcctcctgcc ccttccctct gccaggggtg    1560
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agtctcttacc catcatgcac cctgtacagt tgccacgtta ctgccttttt taaaaatata    2040
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<210> 158

<211> 1625

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1066)

<223> n equals a,t,g, or c

<400> 158

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catgggaggc tgagaaaaat gaggggagat ggaaccagat acaaggagat ccaataagag    180
aagcttattt aaatattgtg aaataaagga agamccaaag cattttttta agtggggaat    240
ccttttgaac agttattatt tatccatatt attaayaaca tcttttctga caaaatccat    300
cagatgaagt gtaaatggat aatcttttaa tggatctaaa cctagaaagt ttcacttact    360
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cagagtaatt cctgctggct tcaccttga aagtccctcg aaactatgca gatgaaactg   1020
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attcttgtat	ttacatctcc	tccactgtcc	cccacaccac	ccctcaatcc	ctgctgcccc	1140
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caaactgact	tgaagcacag	atacttttac	gaatgtgata	aaataatttc	ttaagaaaag	1260
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aaaaa						1625

<210> 159
 <211> 1687
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (334)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (505)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1044)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1670)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (1684)
 <223> n equals a,t,g, or c

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ctaagggacc	aaaagcgtat gcgacttact gaagtgcag atgataaaga ggaggaggag 240
gaggagaatc	cactgctggt accactggag gaaaaggcag tactgcagga agaacaagcc 300

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cannttt 1687

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<210> 160

<211> 1842

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1793)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1834)

<223> n equals a,t,g, or c

<400> 160

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<210> 161

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (744)

<223> n equals a,t,g, or c

<400> 161

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gtgtcttctg	tcattgattgt	aagtttcctg	aggcctcccc	agctatgtag	aactgtgagc	180
caattaaacc	tcttttctct	ataaattatc	cagtcttata	tatttcttca	tagcagtgtg	240
agaacagata	ataccgtaaa	ttggtatcac	agagagtggg	gtgttgctat	aaacacatct	300
gaaaatgtta	aagcaaattt	ggaactgggt	aacaggcaaa	ggctggaaca	gttkgaagaa	360
cagttaagaa	gaagacagga	aaatatgaga	aatcttgaaa	cttcttagag	tcttaaagggt	420
ctcagaagac	atgaagatgt	gggaagcttt	ggaacttcc	agagacttgt	ttgaatggct	480
ttgacaaaa	tgctgatagt	gatattggaca	atgaagtcca	ggctgagctt	atccagacag	540
acataagaag	ctcgctggga	acttgagtaa	agatcactct	tgctaggcaa	agagactgggt	600
ggcctttttt	cctctgccct	agagatctgt	ggaaatctga	acctgagaga	gatgatttag	660
ggtatctggc	agaagaaata	tctaagcggc	aaaaccttcm	agaggaagca	gagcataaac	720
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<210> 162

<211> 519

<212> DNA

<213> Homo sapiens

<400> 162
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atggagctgt ttgtgaaggt taaatgggaa gacataaagc acttagccca gagccaagga 240
catgctgaat aggataatgg tggcctcctt tggcgtctgt ctggtgcagg tgtgccgagg 300
aaytgggcag gggtgacaga tacctcttct aacctagtct ctttccaaga acctaatgg 360
tgtctctccc tccccaggc aattggaagg aggaggctgg gccccagccc cagaatacgg 420
gaggtttctc accgtggtag ggaaattgct ggggtggggg tgtgggcaac cacagtgatc 480
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<210> 163
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (730)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (736)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (741)
<223> n equals a,t,g, or c

<400> 163
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tgtttaaatc ttttcagtgg ctcccccttg tacttagaaa aaaatgcaac ttcttctgct 180
gggactcatc cgctcacagc ctccccctcc accctctctc tgccctcatg tctgcccctg 240
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tttgttwact tgtgtgctgt tgacttttaa ctctctcagt cccactgga atgcaagcga 480
tctcccaagc tcctagaatt gttcctgcct ctccacaggc cttacgctg tgtgtgctcg 540
tgccgaattc ggcacgaggg tatgtgact tgctggtatg tatgtagggt tttgctaaca 600
catacgtgca cacgcagaat gcttccaggg gactgcacag cctctagtgc gcagccccc 660
ccctccctt tgsccttgca ctctccctc tctgagctgc attcgcatga aagggtgcan 720
ggttccctgan cccgcnagcg ncacctcctg gga 753

<210> 164
<211> 1893
<212> DNA
<213> Homo sapiens

<400> 164

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ttctgcaaac	agtgtagtaa	gaaaggtaat	ttgagaattt	ccaaagatgt	tctcgctagc	180
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tatagcataa	ttttacaatc	gtactttcac	tatgattttt	attttaaccc	tggatattat	300
tggtttgaag	ctaataattat	cagtccctatt	ggctgtcact	gtcacagatc	tgaagatatg	360
tttaaaattca	tcaagctagg	aagatatcaa	aatattaaca	atcttcaagt	atagtgagaa	420
aaaaactgat	ttaagtgtta	gcattttctaa	acttgagact	ctaacagtaa	aaacaaagta	480
atctgaaacc	tgtttccatg	ggtaaaacac	tctgcctggt	attcttgtac	acaaaattta	540
ctaaatatgt	gaatatcata	aaatgaaaat	atcactccct	tcaatttctt	tggccttcac	600
aaattcaatg	tgactatgat	ccttttcaat	aatacttyca	atgacattgt	gcttcttttag	660
aaaaatcact	taagttgtag	catacaatag	ttaacattag	ttctttttatt	gctatgggat	720
atgctaattt	ttttaaaagg	ggaaaaaaa	acccagagaa	cttattaaaa	tgtttgtaa	780
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aaatgggata	gagagtaaga	agacaggaga	gagaggagaa	accatgtttt	ttcggacgcg	1860
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<210> 165

<211> 2153

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1670)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2134)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2135)

<223> n equals a,t,g, or c

<400> 165

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cagggctcaa	gggctgtggt	ccgctcaggg	tctcatttcc	ccaggccaag	ttcaaggcag	180
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<210> 166

<211> 1251

<212> DNA

<213> Homo sapiens

<400> 166

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atcttcgccc	tcgtctgggt	cctccactac	cgagaggggc	ttggctggga	tgggagcgca	180
ctagagttaa	actggcaccc	agtgcctcat	gtcaccggct	tcgtcttcat	ccagggcatac	240
gccatcatcg	tctacagact	gccgtggacc	tggaaatgca	gcaagctcct	gatgaaatcc	300
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tttgagaacc	acaatgttaa	caatatagcc	aatatgtaca	gtctgcacag	ctgggttgga	420
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ccatgggctc	cgctttctct	ccgagcattt	ctcatgccc	tacatgttta	ttctgggaatt	540
gtcatctttg	gaacagtgat	tgcaacagca	cttatgggat	tgacagagaa	actgattttt	600
tccttgagag	atcctgcata	cagtacattc	ccgcagaag	gtgttttctgt	aaatacgctt	660

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ggccttctga tcctgggtgtt cggggccctc attttttga tagtcaccag accgcaatgg 720
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<210> 167
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (522)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (752)
 <223> n equals a,t,g, or c

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<400> 167
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gagggtaggg gcgcgagggt cccagcagga tgccccggct ctgcaggaag ctgaagttag 120
aggccccgag agggcccagc ccgcccgggg caggatgacc aaggccccgc tggtccggct 180
gtggctgggt ctgggggtcg tgttcatgat cctgctgac atcgtgtact gggacagcgc 240
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gccacgccc gggccggaca gggacaggga gctcacggcc gaytccgat tgcacgakt 360
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gcaccgcgtg cgcctaccgc gaccggtgc gntcccgcg gagcacgtgc acaacgccag 780
cgcgactga cttcaacaat tctggcgccg ctacgggaag tctccccac ctcatgaagt 840
caagctcaag aatacaccaa ttctttctgc gcgacccttc tg 882

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<210> 168
 <211> 1208
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (161)
 <223> n equals a,t,g, or c

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<400> 168
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cccaaattgg aagtcccagt acatatttag ctattacaat tctaagttat ttgcagtaaa 120

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gaatatagat	gaagctgggc	tcattttctat	tttccaagtk	nytggggggcc	atagtgattt	180
ttttttaacc	tgacaacacc	tcaggggaaat	ttatgggttta	cagagcacaa	cattgtaaat	240
tatggcaaag	taaaaaagaa	aacactgaat	ttcaacttgg	aaaatcagaa	tgctgttgct	300
aatagtatta	gtagcaaata	tattaagtat	gtcaaatatg	tcaaatgctg	ttgtaagtga	360
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agttttccc						1208

<210> 169

<211> 1258

<212> DNA

<213> Homo sapiens

<400> 169

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<210> 170

<211> 1624

<212> DNA

<213> Homo sapiens

<400> 170

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 <211> 2003
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1961)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1999)
 <223> n equals a,t,g, or c

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<210> 172

<211> 786

<212> DNA

<213> Homo sapiens

<400> 172

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<210> 173

<211> 1758

<212> DNA

<213> Homo sapiens

<400> 173

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aaaaaaaaaa	aaactcga					1758

<210> 174

<211> 1369

<212> DNA

<213> Homo sapiens

<400> 174

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<210> 175

<211> 2379

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1881)

<223> n equals a,t,g, or c

<400> 175

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<210> 176

<211> 1348

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1331)

<223> n equals a,t,g, or c

<400> 176

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<210> 177

<211> 1502

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (470)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<400> 177

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<210> 178

<211> 1637

<212> DNA

<213> Homo sapiens

<400> 178

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<210> 179

<211> 2911

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (622)

<223> n equals a,t,g, or c

<400> 179

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<210> 180
<211> 519
<212> DNA
<213> Homo sapiens

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<400> 180
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gtgcccgaac ttcagaccct ggcagtcctc actgaggcca ttggcccaga gcccgccatc 180
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tccccaggc ctagcccttg gaaggagaca ggagtctagg gaggtgaag cccactcccg 420
gggaggcccg tgctcctcca gccccaggga cagcaaggaa aagagaagag agcagagcat 480
ttcatggctc taataaaaaa aaaaaaaaaa aaaactcga 519

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<210> 181
<211> 968
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (35)
<223> n equals a,t,g, or c

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<220>
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<222> (45)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (135)
<223> n equals a,t,g, or c

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aaccgccccg stcanttgtg atttcaggag gatttgatga agatgttaaa gcgaaagtgg 180
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<210> 182

<211> 1128

<212> DNA

<213> Homo sapiens

<400> 182

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aggggtatat	tagaaaaatc	atcctcataa	tcattctggg	aagtttttcc	tccccaaaaa	180
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<210> 183

<211> 2276

<212> DNA

<213> Homo sapiens

<400> 183

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<210> 184

<211> 3374

<212> DNA

<213> Homo sapiens

<400> 184

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<210> 185

<211> 1337

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1337)

<223> n equals a,t,g, or c

<400> 185

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<210> 186

<211> 941

<212> DNA

<213> Homo sapiens

<400> 186

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<210> 187

<211> 678

<212> DNA

<213> Homo sapiens

<400> 187

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<210> 188
 <211> 1848
 <212> DNA
 <213> Homo sapiens

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<210> 189
 <211> 1292
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <222> (144)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (145)
 <223> n equals a,t,g, or c

<400> 190	
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<210> 191
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 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1414)
 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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taaaacttga	tgtaaattcc	tccttttttt	ccttttttgg	cttaaatgaat	atcattttatt	1860
cagtatgaaa	tctttatact	atatgttcca	cgtgttaaga	ataaatgtac	attaaatctt	1920
ggtaagactt	taaaaaaaaaa	a				1941

<210> 192
 <211> 2118
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1324)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1643)
 <223> n equals a,t,g, or c

<400> 192

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tggatatggg	ggggtagagt	gcttctgggtg	tgttcacttt	aagaaaacat	ctgccaagag	180
agaagagtgc	ccaggaaaga	ccaggaaaaat	acaagtacat	ggctgcttca	taccatatac	240
cccaattctt	taaagcagca	aaaggcactt	tttttttcag	gccagagtga	atctaaaaca	300
aacctggctt	tgcttacagg	gaagctgtcc	cagaaggact	gagtgatgcc	tcttgttccc	360
taaggctctg	agagtctttg	caagtttcca	acgacatttc	caaccagggtg	ggagagacca	420
gcagttgacg	agacaagtca	gacccaaaaa	acgacgccaa	ggtagtgagt	gggtgcctat	480
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gaaggaacta	ttattacttt	aaaagtgagg	gtaatttaca	tatgggggtg	atatattcta	720
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cacttgactg	gaaacgcccc	tgtgatttct	aggctgaaaa	taggtaggat	ttaacgagta	900
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cgatcatgct	cccagacgag	tcctttggcc	tcttgctctc	catcccaagc	ctgactcctt	1020
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gcccargccc	agcaggttgc	aaaagcagct	gcaagcttca	gaaaccact	tcctccaaca	1200
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atgtcacagt	cacagtccag	gacttctctg	tcgcgatata	acacaatcac	ggctgcaaag	1920
taaatcggca	tcagtgggtg	gcaggccagg	aagaagtcac	ataaccgcac	gacgtgcctg	1980
aagtcagaca	ggacatgccc	aaaccagggtg	atgagccagc	tgagggcaaa	gatgggtccct	2040
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agatagttta	atatatgc					2118

<210> 193
 <211> 1538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (112)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (147).

<223> n equals a,t,g, or c

<400> 193

c c g g g t t c g g	c t c t g t g t c a	g c a g c c g g g c	g g c g c t c g g g	c g g g a c a t g g	c a g c c t g t a c	60
a g c c c g g g c g	c c t g g c c g t g	g g c a g c c g c t	g g t g g t c c c g	g t c g t g a c t	g n g g c c c g g t	120
g g c c a a g g c c	g c t c t g t g c g	c g g c c g n a g c	t g g a g c c t t c	t c g c c a g c g t	c g a c c a c g a c	180
g a c g c g g a g g	c a c c t c t c g t	c c c g a a a c c g	a c c a g a g g g c	a a a g t g t t g g	a g a c a g t t g g	240
t g t g t t t g a g	g t g c c a a a a c	a g a a t g g a a a	a t a t g a g a c c	g g g c a g c t t t	t c c t t c a t a g	300
c a t t t t t g g c	t a c c g a g g t g	t c g t c c t g t t	t c c c t g g c a g	g c c a g a c t g t	r t g a c c g g g a	360
t g t g g c t t c t	g c a g c t c c a g	a a a a a g c a g a	g a a c c c t g c t	g g c c a t g g c t	c c a a g g a g g t	420
g a a a g g c a a a	a c t c a c a c t t	a c t a t c a g g t	g c t g a t t g a t	g c t c g t g a c t	g c c c a c a t a t	480
a t c t c a g a g a	t c t c a g a c a g	a a g c t g t g a c	c t t c t t g g c t	a a c c a t g a t g	a c a g t c g g g c	540
c c t c t a t g c c	a t c c c a g g c t	t g g a c t a t g t	c a g c c a t g a a	g a c a t c c t c c	c c t a c a c c t c	600
c a c t g a t c a g	g t t c c c a t c c	a a c a t g a a c t	c t t t g a a a g a	t t t c t t c t g t	a t g a c c a g a c	660
a a a a g c a c c t	c c t t t t g t g g	c t c g g g a g a c	g c t a a g g g c c	t g g c a a g a g a	a g a a t c a c c c	720
c t g g c t g g a g	c t c t c c g a t g	t t c a t c g g g a	a a c a a c t g a g	a a c a t a c g t g	t c a c t g t c a t	780
c c c c t t c t a c	a t g g g c a t g a	g g g a a g c c c a	g a a t t c c c a c	g t g t a c t g g t	g g c g c t a c t g	840
t a t c c g t t t g	g a g a a c c t t g	a c a g t g a t g t	g g t a c a g c t c	c g g g a g c g g c	a c t g g a g g a t	900
a t t c a g t c t c	t c t g g c a c c t	t g g a g a c a g t	g c g a g g c c g a	g g g g t a g t g g	g c a g g g a a c c	960
a g t g t t a t c c	a a g g a g c a g c	c t g c g t t c c a	g t a t a g c a g c	c a c g t c t c g c	t g c a g g c t t c	1020
c a g t g g g c a c	a t g t g g g g c a	c g t t c c g c t t	t g a a a g a c c t	g a t g g c t c c c	a c t t t g a t g t	1080
t c g g a t t c c t	c c c t t c t c c c	t g g a a a g c a a	t a a a g a t g a g	a a g a c a c c a c	c c t c a g g c c t	1140
t c a c t g g t a g	g c c a g c t g a g	g c c c c a a a g t g	c c c a g g c t t g	g t c a c c g g g a	a g a a c a a c t c	1200
t c a t c c c a c a	a t t g c t g c a g	a a c t c t t c t c	t c c c c a t c a t	g g g c c a c a g t	g g g t c t c t t a	1260
a t t t g a t t g t	g g g g t t c t t t	t t g t g g g g a g	g g g t g g t a t a	a c t t t t c t t c	a g a a g a c c c a	1320
t g t g g g a c a c	c t c c a a g g c t	g g c c t c c t c a	t a a g c c c t g c	c t a c a c c a t g	t t c c a g t a a a	1380
c c t c t c c a c c	a a g g a a c t g t	g t t c a g c t g c	c a c a g g c c t g	g a g g a g t t t c	c t g g c c t g t c	1440
a c g t g a g g t t	t g a t c a g t a a	a c c a g t g c a s	g y t t g g c c a a	a a a a a a a a a a	a a a a a a a a a a	1500
a a a a a a a a a a	a a a a a a a a a a	a a a a a a a a a a	a a a c t c g a			1538

<210> 194

<211> 1098

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (438)

<223> n equals a,t,g, or c

<400> 194

agaccctgtc	tcaaataata	ataataataa	taatcttatt	ttggagaata	aagagaccts	60
tggattttgag	gtgccatttg	ggtagaaaga	aaagacgttt	acaccgagaa	atagtctgtg	120
ttgccctgaa	ggagcagagg	gatgcacgc	tggaggtgac	ctacagttga	agaagactca	180
ttatgacaga	ccttgtcctt	cttccttgtg	gaaagtgttt	cctctgctgc	tactgtctcat	240
gagactcttc	ccccctcctg	tcccagggaa	ccaaagggtt	ttntaccac	accctttctt	300
ngccccccgc	ctcccatgtc	tgtgtgtcct	ttgtactcag	caattcttng	tttgtccca	360
ttatctttcca	gccggataca	gagtgaatag	ttaaccacac	ttaggtcaaa	taggatctaa	420
atcttttgttc	ctgtccngt	gtaaagaggc	cagtgtttgt	gtgttgcaag	cagccttgga	480
atagtaactc	ttctcatttg	tttgggatct	ggccamcaag	ttccagaatg	atacacggat	540
cagtgcagaa	gttcatcagg	ctctcggacc	ttagggctgt	tggagaaggc	ttcagcagca	600
gaactgatgg	tkawkgytcg	tgttctccat	cctcaacttt	ctttgcttcg	atcatacaca	660
agaatacatt	tggaagggca	aaaaatgaac	actgttgttc	attgcagccg	tgttttgtga	720
cacagatgca	cagtctgctg	tgaagacctt	ctctcaagtg	gsatytggga	gtccatgcca	780
gatcatgggtg	cttcatgaga	gactgacagc	tatcaggggt	tgtggcactt	agtgaggact	840
ctctccccc	agtgtgtgct	gatgacacat	acacacctga	caatagcttg	agtcttctct	900
gttccctttta	ctctgtagcc	aacatacaca	tgatttaaaa	ccctttctaa	atatctatca	960
tggttcatcc	ttgtccaaat	gcagagtcag	agctatttgt	acttcattat	tattttccaa	1020
gcgaatagtt	ggctttcttt	ttgcaaaaat	aattaaagtt	tttgtatgtt	gcaaaaaaaa	1080
aaaaaaaaaa	ctacgtag					1098

<210> 195

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 195

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aacgtattga	caagggttgaa	gagcaagatt	gttctgaggt	gagatgcaaa	tttcaaaggg	120
gtgagcacta	attgtttccag	tgattgtttta	tttattgggt	aggacataat	tactctcttt	180
gaggttacac	atctgcctcc	aggttcctgt	gtgcttgtgc	ccttgggatc	aggccagggc	240
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aggccaggcc	tgatccctga	gggatgcatg	agaaggcttg	gaatctcatt	ctgctatggg	360
ggctctctct	tgatcttctt	ggagtagcaa	aaacagcaat	gtgggcccac	tgggtgtggc	420
taaatgatca	caaaggtaaa	tgagtaaagg	gctcagcaga	tgagtaagga	gccttgtcct	480
gagaaattag	cactgggctc	tgcattcaga	aacatgtgat	aagcattgcc	cattgcacat	540
tgccttttatt	gtgtaaggac	atgaaattcc	agttttgcat	agctagtgat	gaataacctga	600
agggaattgc	agacataatt	tatttttatt	ttaattgaca	gatggaattg	tatatattta	660
tcatgtacat	aatcatgctt	taaaatatgt	acattatgga	atggctaaat	caaactaacc	720
taggcattat	ctcatataat	tgtcattttt	gtggcgagaa	gactaaaaat	ctaccctttc	780
agcattttta	aagaatacaa	tgtgttttat	taacaacagt	caccatttgg	tacactagat	840
ctcttgaact	tcttctctct	atctaaactga	gatcttgtaa	cctttgataa	cagctcccaa	900
gcccttcccc	aaccactgct	ccaccctggg	taaccacat	tctattctca	acttctctgg	960
aatcaccatt	ctagacacag	ggaagactct	ctaccctctg	a		1001

<210> 196

<211> 1458

<212> DNA

<213> Homo sapiens

<400> 196

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cataagaaac	gatgggtggc	atatatttgt	ttaataatgg	aaaaaatgtg	gttagcattc	120

tgtggaaggt	ggtcatcaga	tagtagacat	tttctaggat	ttatttctac	ctgcatatgt	180
ggaaatgtgt	actacttttag	atttatttaa	tggcagctaa	ctcagaggca	tcaaaatgtg	240
ctaattgggt	aatatggcct	ttgtcttgct	gttctgtttt	gtaggccttc	aatcaagcag	300
ggcaggggcg	tacagtgaac	ttgtcctttg	ccagacgcca	gcgtctgccc	ctgaccccg	360
ctccactctc	tgtgtccttg	aggaggagcc	ccttgatgcc	taccctgatt	caccttctgc	420
gtgccttgta	ctgaactggg	aagagccgtg	caataacgga	tctgaaatcc	ttgcttacac	480
cattgatcta	ggagacacta	gcattaccgt	gggcaacacc	accatgcatg	ttatgaaaga	540
tctccttcca	gaaaccacct	accggtgagt	gcaagggagt	agaaatctgc	atcagcacat	600
cagcacttgg	ggatctaagt	aaacctctcg	gggaaaatga	ccaagtggat	gtcatctccc	660
agctgtttct	aagagcccag	atgtccagag	tattgtctca	ccttgatccc	tcaggccaga	720
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gaaattgtgc	cgaccttaac	agtggcttaa	atgatggtaa	aacttttaag	atttctaaaa	960
ggatggcatt	ggagatacgt	tgacttttat	taaacaacct	atagttgttt	aatgacttct	1020
aaaaaaatat	ctggagctca	ggggttcaac	tgagggaaca	catgttgaga	atcattgttt	1080
actaattaaa	tgccaggtaa	ccgttgaaat	tatcaaaaac	atcttccacg	taccagaaag	1140
cactcagagg	atagttctgt	tatggagaag	atgaaatggg	ttagtagtgt	aggaactatg	1200
gaaagggtga	cttagatttg	gatagtaaaa	cctcaagacc	ctatttaaaa	agtattttat	1260
gaatgcagca	taaataattt	aattcagtgt	taaatgccaa	ggctagtata	ttgagctgaa	1320
tgtgaaaaga	aactcacatt	gggagaatgc	caccttttcc	ttataagata	gctttgaaga	1380
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gaaaaaaaaa	aaaaaaaaa					1458

<210> 197

<211> 1282

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (675)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1195)

<223> n equals a,t,g, or c

<400> 197

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aattaactgt	cacagtatca	tcttagaagt	gaaagaagcc	cctttatcct	gcagtgtccc	120
tctaccacca	cctactgaca	aagaacatgg	tgctatctgg	catgggagaa	atgttcagtt	180
tgctatggct	tgatgtgtgc	ccctcaaatt	caagtgttgc	caatgtgaca	gcatcaagag	240
gtggggctct	taagagatca	ctaggccatg	agggattctc	ttaggactgg	gatgaaggcc	300
cataataaaa	gagggtttcag	ggagcatcct	gctagcttgc	cttctgtatg	tgagaacaca	360
gcaagaaaagc	cctagtcaac	aagtgccagc	tccttgatct	tagacttccc	atcctccaga	420
actgtgagaa	atacatttct	gttccttaca	aattacccag	tctcctgtat	tctgttatag	480
cagcacaaaa	tgaagatacc	atacctgaac	acctgaacat	tcttcacaag	gtagtaaatg	540
cactgcttta	ttctgggtctc	agtattgtgt	gcttaataag	gaaatgagaa	aggggtggatc	600
agggcatagg	atgaacaagt	tactgctaga	cctctcacia	tgccactaat	ggataagatt	660
gtatttttcat	catttcttgt	ctcttcggaa	gctaaccacca	tgctataata	ggcactaaat	720
agatgtctaa	aaacacctta	agtatttgtc	tagaaatctg	gtgcattgtc	cagaaagaac	780
caaaattcma	aataatttca	aagggcctaa	agcactakt	aatcmaaatt	cattagtttt	840
taatgggtact	accactctca	aattttaa	gtcatcttac	gttcctcttc	ctcgatttgg	900
atttatttgt	aaaacctggg	aaacacttta	atccytttca	attccattac	cactgctctt	960
gtccagaatt	actgcgagac	taatagtcac	ctgacttctc	cccctgcac	ccgatttggc	1020

gtctaattct	ggttacaaat	aagtaactgc	caaactaatc	tttctaaaaa	gcaagactga	1080
tctcgctact	cctttgctca	acaatgtaaa	agctcccatt	gtctcccaaa	taaaaccagc	1140
tttccactgt	gtatacaata	catccatgat	ctgtatccag	catcattttg	tattngctca	1200
cctttatacac	caccccccat	gccacatcaa	attaaattat	cctgataaat	gcaactgcaa	1260
aaaaaaaaaa	aaaaaaaaactc	ga				1282

<210> 198

<211> 951

<212> DNA

<213> Homo sapiens

<400> 198

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tgtggtaact	aaagaatggt	tctgttttgt	taattattgt	gtgtgtgtgg	ttttattggt	120
tgcttaagag	aatcaaaaac	tgaaaaaaat	gagaatacag	gaaatggctc	ttgtttatbt	180
ttttgctgtg	tttacagctt	gttaatgctc	tactgtcttt	gtttcaagag	agattttgtc	240
actgcccagc	tcgttttgtg	tcctgagccc	tatgcccagc	ccacctata	aatcatgcct	300
gttttagatgt	ttgattttgt	tctgtttgct	attgttatct	taaagggtga	taactctgac	360
atgccagaca	tcaaattaag	ctcaaattaa	gctctcgttt	aaatgtttta	acaccttaatt	420
tatattctaa	ttgatcccag	ccactgatgc	atgtacttta	gctacttctg	ctaaataagc	480
atattaattt	tccacatcag	gccatcagat	cttgagaacc	aacagttatc	tagaattccg	540
tgtctactaa	tgtttcacct	gcattgcagc	ttcataaatt	ttgtagcaaa	atataaagtg	600
atcattatgt	agtttctgga	ttaaaaaaat	ttgtgtgtga	agttgctttg	taaagtgcatt	660
gtggaattaa	tgggacagtg	tgccttttgt	gttagatggt	agagcaaaaag	aaagggctta	720
tagtgttagt	attggagcac	tttgaagata	gatattttca	gaaaagatgt	aggatttaaa	780
agttaaattt	taaatttttag	aaaaagatat	gatggcaatt	ggaaatagtc	acaatgaagt	840
tcttcatcca	gtaggtgttt	aacagtgtta	ttttgccact	ggtaatgtgt	aaactgtgag	900
tgatttacia	taaatgatta	tgaattcaaa	aaaaaaaaaa	aaaaaactcg	a	951

<210> 199

<211> 1740

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1310)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1736)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1737)

<223> n equals a,t,g, or c

<400> 199

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cccgcacgca	gacactctcc	ctaacactga	taacctgagc	ccccagcact	ggacggaaga	120
atgctggcgt	ctccgtgtgt	actggttcag	ggttctggcc	ccagccttgt	caggaccccc	180
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<211> 1707

<212> DNA

<213> Homo sapiens

<400> 200

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 1974
 <212> DNA
 <213> Homo sapiens

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<220>

<221> SITE

<222> (50)

<223> n equals a,t,g, or c

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<220>
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 <222> (264)
 <223> n equals a,t,g, or c

<220>
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 <222> (340)
 <223> n equals a,t,g, or c

<400> 205

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<211> 2465
<212> DNA
<213> Homo sapiens

<400> 206
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<210> 207
<211> 1480
<212> DNA
<213> Homo sapiens

<400> 207

gaattcggca	cgagctcaag	ctggcaggtg	gtcgggggag	cggccggaga	ggagctgccg	60
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ttccgctgct	gctcgccctt	cctcctgcag	gcgaaagcaa	gaagatgaca	gggacggttt	180
gctggctgaa	cgagagcagg	aagaagccat	tgctcagttc	ccatatgtgg	aattcaccgg	240
gagagatagc	atcacctgtc	tcacgtgcc	ggggacaggc	tacattccaa	cagagcaagt	300
aaatgagttg	gtggctttga	tcccacacag	tgatcagaga	ttgcgccttc	agcgaactaa	360
gcaatatgtc	ctcctgtcca	tcctgctttg	tctcctggca	tctggtttgg	tggttttctt	420
cctgtttccg	cattcagtc	ttgtggatga	tgacggcatc	aaagtgggtga	aagtcacatt	480
taataagcaa	gactcccttg	taattctcac	catcatggcc	accctgaaaa	tcagggaactc	540
caacttctac	acgggtggcag	tgaccagcct	gtccagccag	attcagtaca	tgaacacagt	600
ggtgaatttt	accgggaagg	ccgagatggg	aggaccgttt	tcctatgtgt	acttcttctg	660
cacggtagct	gagatcctgg	tgcaaacat	agtgatcttc	atgcgaactt	cagtgaagat	720
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tcgcagcaga	gagggaccat	ccaaatacct	aagagaaaac	agacctagtc	aggatatgaa	1260
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ggcttttttt	tttttttaga	agttagaatt	gtttttacca	agagtctatg	tggggcttga	1380
ttcaccttct	atccattggc	tggaacatgg	attggggatt	tgatagaaaa	ataaaccttg	1440
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<210> 208

<211> 872

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (847)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (856)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (872)

<223> n equals a,t,g, or c

<400> 208

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ctccctagta	gctagtgtc	tctaagtttt	tatttaatta	gaacaactcc	atttccattt	180

caaggtaggt	caatgggggg	aaaagcctca	tgatttaaac	tgaagttaac	aacacagctt	240
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caaagatatg	ctgtacctaa	aactgctaaa	acaaaaatat	aaagacaagg	actaggtgat	360
taaggggaga	gaaaaatcat	ytcttttcca	ggaaaccttt	gctaaaataa	gcaaaacttg	420
antctatgct	tcatggaaac	tgacacaaag	aaaagaaact	gatggattgc	acaggccttg	480
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tgaacttcaa	tggggatttg	tcacctaggt	ctccatctat	aggaatacct	tcacatacct	600
atctattcat	gcacatat	tgaaaacagg	tacatacaaa	attacaacaa	aggaaaaaaa	660
ttctattgaa	cacttaaaaa	tagaaacagg	ccaggcacgg	tggctcatgc	tgtaatccca	720
acaatttggg	aggctgaggc	tgggtggatca	cctgagggtca	ggagtgtgag	accagcttgg	780
ccaacatggt	gaaaccccg	cactactaaa	aatacaaaaa	aaattagcct	gtgtggtggc	840
acactcntac	aatccnggct	gactcgggaa	an			872

<210> 209

<211> 1779

<212> DNA

<213> Homo sapiens

<400> 209

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ttggcttcat	wttggtcttg	agataaaatg	gccagcataa	atgctgttta	tattcacggt	180
ttcctaggtg	tgtgtgtgca	ggccacagca	gcatgccctt	ggtgtagtca	gtgccgaaas	240
gggtctgttc	cttcttgagc	ctgcctgcag	ggatgggtctc	cttttaaaag	aggttgtgtg	300
cagcattcag	tacactgaag	gtaagctaaa	ccatcaacat	ctctgggtgt	ttaagatggt	360
atctttattg	aacaactgac	aaatgagggg	tgtagctttt	gtggcagaat	tccctgcatt	420
tgtgataact	gatcttgttt	tatttttttg	cattgcaact	gtggcatagt	tacaatttct	480
gtttgktcat	cacattttaa	attggragag	aacgcgcttg	akggatagag	cgcttctcagk	540
gtactgtttc	ttattaactt	tacttttttt	aatcaactt	gctatagact	ttatatacat	600
tttgttaaat	atagtttcta	gtgacataga	aacgatgcgt	agttttcatt	tactaattac	660
aaatgttgag	gcctaattct	gaaagtcctc	atattttaaag	gctagacaac	gtaatgaaat	720
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<210> 210

<211> 2110

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (750)
 <223> n equals a,t,g, or c

<400> 210
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 gccggcgctg gctgccgctc gtggcgccca gaggagagga gaggcagcag catggcgagt 120
 gtccctgtccc gacgccttgg aaagcgggtcc ctcctgggag cccgggtgtt gggacccagt 180
 gcctcggagg ggccctcggct gccccaccct cggagccact gctagaaggg gccgctcccc 240
 agcctttcac cacctctgat gacacccctt gccaggagca gcccaaggaa gtccttaagg 300
 ctcccagcac ctcgggcctt cagcagggtg cctttmagcc tgggcagaag gtttatgtgt 360
 ggtacggggg tcaagagtgc acaggactgg tggwgacagc cagctggatg gaggttcagg 420
 tgaccgtctg gctgctggag cagaagctgc aggtctgctg cagggtggag gaggtgtggc 480
 tggcagagct gcagggtccc tgtccccagg caccacccct ggagcccga gccaggccc 540
 tggcctacag gcccgctctc aggaacatcg atgtcccaa gaggaagtcg gacgcctgga 600
 aatggatgag atgatggcgg ccatggtgct gacgtccctg tcctgcagcc ctgttgtaca 660
 gagtccctccc gggaccgagg ccaacttctc tgcttcccgt gcggcctgcg acccatggaa 720
 ggagagtggg gacatctcgg acagcggcan cagcactacc agcggctact ggagtgggag 780
 cagtgggtgtc tccacccctt cgtcccccca ccccaggcc agccccaagt atttggggga 840
 tgcttttggg tctccccaaa ctgatcatgg ctttgagacc gatectgacc ctttctgtct 900
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 tacaccagtg tcagctgggc tgctgcccc tccgcgcctt gctctctmtc tccgggtccgg 1440
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 ccctgccggc agccactgac aagaggccag tgtgtcacca gccctcagca gaaaccgaaa 1740
 gagaaagaac ggaaacacgg agtttgggct ctggttgcta aggtgtaaca cttaaagcaa 1800
 ttttctccca ttgtgcgaac attttatttt ttaaaaaaaa gaaacaaaaa tatttttccc 1860
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 gaattaatta ccctccgttt cccacatccc cactctctag gggattagct tgtgcgtgtc 1980
 aaaagaagga acagctcgtt ctgcttctct ctgagtcggg gaattctttt ctttctaaac 2040
 tcttccagaa aggactgtga gcaagatgaa tttacttttc ttaaaaaaaa aaaaaaaaaa 2100
 aaaaactcga 2110

<210> 211
 <211> 938
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (200)
 <223> n equals a,t,g, or c

<400> 211
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 ttttcttgat gtttgaaaaa agtttaagct atgtcctaata ttaaaaatga gcacaaacta 120
 cttaacagat gtctgttccc tcttctctta cttaaattat ctttattttc accatcacct 180
 cccagtgcgc aacacctgan ctctgtgttt tgtgggttga tcctgggttg ccaagtctct 240

atttgggtcag	tccctggcct	gtggggcggt	ctcaggaagt	ggcatgctct	tcamgragga	300
tcgttcatyt	ccagtataac	cawtttggtta	ataatagttg	ataattccca	gccttttacca	360
gatgartttt	gacttatttt	tcctcctttg	acctgttcaa	agctaacata	tctcggtcag	420
ttcggagagg	gtgggggatt	tgagaatgtg	aggaggagtg	gggttagaat	gggtttgcct	480
atctgggcaa	ggaaagagtt	cctagtcgat	tgggcacaat	gacaaaatga	ttccatggat	540
agaatcgtec	catgttgctg	gaacacctca	cgtgttggtga	acgccttaaa	ttcctgccat	600
cccttctctg	attccccacc	tcctgttagt	ttccacagga	tttatctctc	tgtacccccg	660
tcctccaact	ctactctgtc	agcctctcct	ccatccctta	cttcccttct	aaattccagg	720
agatgacctc	actttgcaaa	gcaaattgga	gccaccaaat	tgtagctctc	ctcggtggaa	780
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agtgcctggc	ccccatggga	gactcagaca	ctttgacccc	ttgtgacttc	agcatctccc	900
tccttaaaga	ttctctccca	acattcagtc	gtgctcga			938

<210> 212

<211> 1551

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1017)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1423)

<223> n equals a,t,g, or c

<400> 212

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tttttgacag	atcatttaag	aaactgagta	atTTTTTTTT	tctccaaaag	ggcatggggt	120
ttttttttgt	tttgTTTTTT	ctctatttgg	cactttctag	ggattgggtc	ataaatTTTT	180
tgaaagatca	taggataaat	ttctttgtag	caacttctta	ttttagtgtt	tatgttaggg	240
garcccccarg	tgtccctgct	gatacgccat	tagggccact	tctcagcctc	tggtacatc	300
ataatgcttt	tttttctatc	ttgccaaagt	ttccmgaaaa	ttkakgtttt	ctaattttta	360
aaaaattggg	tgtggagatg	ggatgggacc	tctttataag	ccctgaaaat	aagtgatttn	420
ttttaagtgc	tattctgcta	taaacctgat	tctcactttt	ttctgtagac	aacagttttt	480
tataatatat	ctattttgtg	tggacattat	ttccttttaa	ccaatactga	aattccatag	540
tgtawacttt	ctccacattt	tctttgatta	atacttyctt	aaaatagaca	cttggattgg	600
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cattctgtag	cctgtctgtt	gaacataaat	cttgattttt	atgtaatcag	atTTTTctcc	1140
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ttttcttcag	ccctcaggat	gaattccaca	atTTTtacaca	tagcaccagt	taaggaatag	1500
gctttattgg	agaaaaggaa	ggcttattag	accagcatca	gcaaaaaaaaa	a	1551

<210> 213

<211> 997

<212> DNA

<213> Homo sapiens

<400> 213

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tagcccaagc	taagtcagg	ggaaaggcag	aaatattttg	agaagartca	tttctacaaa	180
aacagagttg	ttctaaatga	aatggccaga	tatttcatct	tcttcatact	agtatttatg	240
aaagtttcat	taaacaccac	ttggccagca	cccaggcctg	ccaccctcag	aacggcaaac	300
aaaagcaaat	gatttgagga	acaaaagagt	ggacacagag	cctctcagaa	gatggctcca	360
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tagtagataa	gagcaaagac	acttcctgat	cctgtggaaa	atgctggagc	cctgctgatg	480
gagaggctga	cactgggacc	aacagaaggc	cggacattta	tttgctgcag	cccttctgca	540
cctgggccct	cttcaggcct	tgtaccttgc	actccccatg	ccactgtagc	acctggtaag	600
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ggaaccact	aaattccact	tgacaaacca	gtttgttcag	ttttgacttt	tgcaaatttg	720
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gtttctaata	acctaacagt	tttccttggs	tattacmaaa	aaaaaaaaaa	ttagaataaa	900
atgtcagtg	catgcaggca	agtacagata	tggaaatgaa	agctctgtct	acaactgcaa	960
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<210> 214

<211> 1496

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (450)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1485)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1492)

<223> n equals a,t,g, or c

<400> 214

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tgatgattga	tttttagggt	acaaatacat	tttagcaagt	aagtgaattt	ggcattacga	660
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aagtgtcgtg	gggcaaccac	gtagtactct	ctgcgcagtgt	gcaaagcgct	gtcgggggcc	900
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cgctgcttca	gaagtcgggg	cggcagttcg	agccttggaa	gtttttttca	gccctggccc	1440
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<210> 215

<211> 1308

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1241)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1247)

<223> n equals a,t,g, or c

<400> 215

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aaaaaaaaag	aaacgtttat	catgaatcaa	cagggtttca	gtcccttatca	aagagagatg	180
tggaaagagc	taaagaaacc	accctttgtt	cccaactcca	ctttacccat	attttatgca	240
acacaaacac	tgcccttttg	ggtccctttc	ttacagatgg	acctcttgag	aagaattatc	300
gtattccacg	tttttagccc	tcaggttacc	aagataaata	tatgtatata	taacctttat	360
tattgctata	tctttgtgga	taatacattc	aggtggtgct	gggtgattta	ttataatctg	420
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aaaagccagg	tataatgtaa	cttcacccca	gcctttgtac	taagctcttg	atagtggata	540
tactctttta	agtttagccc	caatataggg	taatggaaat	ttcctgcccc	ctgggttccc	600
catttttact	attaagaaga	ccagtataaa	tttaataatg	ccaccaactc	tggcttagtt	660
aagtggagat	gtgaactgtg	tggcaagaga	gcctcacacc	tcactagggt	cagagagccc	720
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gccataacct	tttttttact	ccattaggcc	gtataactgg	ngggacngct	ggtcgggtata	1260
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<210> 216

<211> 1705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1281)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1704)

<223> n equals a,t,g, or c

<400> 216

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cacggaagat	ccgttcagtg	tccatcgctc	tgaactcttt	ttcaacatct	ccaggttcct	780
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aaaaaaaaaa	aaaaaaaaaa	aaana				1705

<210> 217

<211> 999

<212> DNA

<213> Homo sapiens

<400> 217

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tcagacagka	gtcccgataa	gcagatcacc	agtcctccac	tgctcttctc	gtcggccttg	180
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attgagtgyc	ttaataatag	tytacaaata	ctatgtatatt	atgcaaaact	gttaaagttc	300
tcactctgtta	tgattggata	cttgggtcttg	tcagtagtgg	tcagcattgg	gttgtgagct	360
tgctctactc	catactgtgt	tatctctgcta	tgcatctttac	atttgtgtgt	cacatctatt	420
ccaaggagcc	ttgctagaaa	caacactggc	ggttctctgca	ggccaggcag	gcattggccc	480
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gcactttttt	tttacttctg	ttgggtgtgta	ttgtatatag	tgtgtgtgct	tcttgtgatg	960
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<210> 218

<211> 941

<212> DNA

<213> Homo sapiens

<400> 218

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gagaatgaca	gctctggttt	ggagaaaagg	gccggatggg	ggctctagaa	agcccatcct	300
tctgtctctc	ttttttctcc	cccttatatt	gtgctttcat	tcattcattc	attcatcaaa	360
catttggttga	gcacctatta	tgtgtcagc	tctgtgctag	cctctggaaa	acctgccttc	420
atgtagctca	ctgtggagta	ggagaaacaa	tgactacact	atgataagca	cgggttgtca	480
gggtctcaca	gcagagtggc	ccctcatcca	gaccgatgag	gtcaaagaag	gcatccaggc	540
gaggttggtg	tcagagctaa	ctgaagaatg	agagggagct	gcaccascag	gggttggaa	600
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accaaggggtg	ggagaggggca	gagcacatgg	aggaacttca	ggtagttctg	gatggcscgtg	720
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agtagaatga	ttttttacaac	gaattgatca	caaccagtta	cagatgtctt	tgttccttct	900
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<210> 219

<211> 575

<212> DNA

<213> Homo sapiens

<400> 219

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ccgcagtgggt	gaagccccac	ctgggcatg	ttcctgacta	cctgggttcct	cctgctctcc	180
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ccacagccaa	gccctcctga	ggttgtttggg	cctctctgga	gctgagcaca	ttgtggagca	360
caggcttaca	cccttcgtgg	acaggcgagg	ctctgggtgct	tactgcacag	cctgaacaga	420
cagttctggg	gccggcagtg	ctgggcccctt	tagtcccttg	gcacttccaa	gctggcatct	480
tgccccttga	caacagaata	aaaatttttag	ctgccccaaa	aaaaaaaaaa	aaaaaaaaaa	540
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<210> 220

<211> 3018

<212> DNA

<213> Homo sapiens

<400> 220

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catcatttat	gatataatga	atgaattaat	gggaaagaga	ttttctccaa	aggacccgga	180
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<210> 221

<211> 2031

<212> DNA

<213> Homo sapiens

<400> 221

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gctcccttga	ggttctgcta	gtgggtgttag	gagtggttac	aactgagctt	ttagtaacca	1980
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<210> 222
 <211> 968
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (241)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (954)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (961)
 <223> n equals a,t,g, or c

<400> 222	
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aatagaagtt	ttgcatcgtc
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cacaaaatga	aggccacccc
tagacattgc	tatgacagat
catttgcata	cggaaaggaa
tttttgagat	tgaactttat
aaatagacat	ggacaatgac
gggaatttga	aaaagatgag
atatttttaa	gaagaatgac
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<210> 223
 <211> 1404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
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<223> n equals a,t,g, or c

<400> 223

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tgccttgcc	tgcagccctg	ttcacactac	cctgtcaaag	tcagatgcca	aaaaagccgc	180
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ggtggtgacg	gacctcaaag	ctgagagtgt	ggttcttgag	catcgcagct	actgctcggc	300
aaaggcccg	gacagacact	ttgctgggga	tgtactgggc	tatgtcactc	catggaacag	360
ccatggctac	gatgtcacca	aggtcttttg	gagcaagttc	acacagatct	caccctctctg	420
gctgcagctg	aagagacgtg	gccgtgagat	gtttgaggtc	acgggcctcc	acgacgtgga	480
ccaaggggtg	atgctgagctg	tcaggaagca	tgccaagggc	ctgcaatag	tgcctcggct	540
cctgtttgag	gactggactt	acgatgattt	ccggaacgtc	ttagacagtg	aggatgagat	600
agaggagctg	agcaagaccg	tgggtccaggt	ggcaaagaac	cagcatcttcg	atggcttcgt	660
ggtggaggtc	tggaaaccagc	tgctaagcca	gaagcgcgtg	ggcctcatcc	acatgctcac	720
ccacttgcc	gaggctctgc	accaggcccg	gctgctggcc	ctcctggtea	tcccgcctgc	780
catcaccccc	gggaccgacc	agctgggcat	gttcacgcac	aaggagtttg	agcagctggc	840
ccccgtgctg	gatggtttca	gcctcatgac	ctacgactac	tctacagcgc	atcagcctgg	900
ccctaattgca	cccctgtcct	gggtctogagc	ctgcgtccag	gtcctggacc	cgaagtccaa	960
gtggcggaagc	aaaatcctcc	tggggctcaa	cttctatggt	atggactacg	cgacctccaa	1020
ggatgcccgt	gagcctgttg	tgggggccag	gtacatccag	acactgaagg	accacaggcc	1080
ccggatggtg	tgggacagcc	aggycctcaga	gcacttcttc	gagtacaaga	agagccgcag	1140
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ccgggagctg	ggcgttgggg	tctctatctg	ggagctggcc	agggcctgga	ctacttctac	1260
gacctgctct	aggtgggcat	tgcggcctcc	gcggtggacg	tgttcttttc	taagccatgg	1320
agtgagttag	caggtgtgaa	atacaggcct	ncactccgtt	tgctgtgaaa	aaaaâaaaaa	1380
aaaaaaaaaa	aaaaaaaaaa	aaaa				1404

<210> 224

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (705)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (706)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (707)

<223> n equals a,t,g, or c

<400> 224

ngcgcgcctg	cagtcgacac	tagtggatcc	aaagaattcg	gcacgagggc	aggtccaggg	60
ctcagaaatc	agctctattg	acgaattctg	ccgcaagttc	cgcctggact	gcccgcctggc	120
catggagcgg	atcaaggagg	accggcccat	caccatcaag	gacgacaagg	gcaacctcaa	180

ccgctgcac	gcagacgtg	tctcgctctt	catcacggtc	atggacaagc	tgcgcctgga	240
gatccgcgcc	atggatgaga	tccagcccga	cctgcgagag	ctgatggaga	ccatgcaccg	300
catgagccac	ctcccacccg	actttgaggg	ccgccagacg	gtcagccagt	ggctgcagac	360
cctgagcggc	atgtcggcgt	cagatgagct	ggacgactca	caggtgctgc	agatgctgtt	420
cgacctggag	tcagcctaca	acgccttcaa	ccgcttcctg	catgcctgag	cccggggcac	480
tagcccttgc	acagaagggc	agagtctgag	gcatggctc	ctgggtccct	gtccgccaca	540
caggccgtgg	tcattccacac	aactcactgt	ctgcagctgc	ctgtctgggtg	tctgtctttg	600
gtgtcagaac	ttttggggccg	ggccccctccc	cacaataaag	atgctctccg	accttcaaaa	660
aaaaaaaaaa	aaaaactcrg	ggggggggccc	gtcccaatcc	ccccnnn		707

<210> 225

<211> 1384

<212> DNA

<213> Homo sapiens

<400> 225

ggggaactgc	agtgacagca	ggagtaagag	tgggaggcag	gacagagctg	ggacacagg	60
atgggagagg	ggttcagcga	gcctagagag	ggcagactat	caggggtgccg	gcggtgagaa	120
tccaggggaga	ggagcggaaa	cagaagaggg	gcagaagacc	ggggcacttg	tgggttgag	180
agccccctcag	ccatgtttggg	agccaagcca	cactggctac	caggtccct	acacagtccc	240
gggctgccct	tggttcttgt	gcttctggcc	ctggggggccg	ggtggggcca	ggaggggtca	300
gagcccgctc	tgctggagg	ggagtgcctg	gtgggtctgtg	agcctggccg	agctgctgca	360
ggggggggccg	ggggagcagc	cctgggagag	gcacccccctg	ggcgagtggc	atttgctgcg	420
gtccgaagcc	amcaccatga	gccagcagg	gaaaccggca	atggcaccak	tggggccatc	480
tacttcgacc	aggtccttgt	gaacgagggc	ggtggctttg	accgggcctc	tggctccttc	540
gtagccccctg	tccgggggtgt	ctacagcttc	cggttccatg	tgggtgaagg	gtacaaccgc	600
caaactgtcc	aggtgagcct	gatgctgaac	acgtggcctg	tcattctcagc	ctttgccaat	660
gatcctgacg	tgaccgggga	ggcagccacc	agctctgtgc	tactgccctt	ggaccctggg	720
gaccgagtgt	ctctgcgcct	gcgtcggggg	aattctactgg	gtgggttgga	atactcaagt	780
ttctctggct	tctctatctt	ccctctctga	ggacccaagt	ytttcaagca	caagaatcca	840
gcccctgaca	actttcttct	gccctctctt	gccccagaaa	cagcagaggc	aggagagaga	900
ctccctctgg	ytccatctcc	acytctttg	atgggammct	gtgccaaaca	cccaagttta	960
agaraarary	ararctgwg	cagggtataca	gagctggaag	tggaccatgg	aaaacatsga	1020
taaccatgca	tcytctttg	tggccacctc	ctgaaactgt	ccacctttga	agttttgaact	1080
ttagtccctc	camactctga	ctgctgcctc	cttctctcca	gctctctcac	tgagttatyt	1140
tactgtacc	tgttccagca	tatccccact	atctctcttt	ctcctgatct	gtgctgtctt	1200
attctcctcc	ttaggtcttc	tattacctgg	gattccatga	ttcattcctt	cagaccctct	1260
cctgccagta	tgctaaaccc	tccctctctc	tttcttatcc	cgctgtccca	ttggcccagc	1320
ctggatgaat	ctatcaataa	aacaactaga	gaatgggtgt	caaaaaaaaa	aaaaaaaaaac	1380
tcga						1384

<210> 226

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (773)

<223> n equals a,t,g, or c

<400> 226

tttaaagatg	aagaaatgac	aaggaggagg	gatgagatgg	aaagggtgtt	ggaagagata	60
aggggtctra	gaaagaatt	tagggctctg	cattcttaacc	ataggcatcc	tggggaccgt	120
ccttatccca	tttaattaat	ttctctgaca	attcaattat	tttctgttat	taatgttgcc	180
actgctttct	gtttgtctgc	actttcttga	taaatatttg	ctatcgtttt	actccagtc	240

ttcgatgttg	ctgagattta	catatgactc	ttgtcaacat	ctcatctttt	gacccaatct	300
tattcattta	ataagaggtc	tcattcattt	gcatggaaaa	atgctcattg	tatattgcaa	360
agtgaaaata	acgagttgca	aaacagtgtg	tacatatatg	tgtgtatata	tgtacacttt	420
atgtgtacat	ttctatgtga	cataatgcaa	aggaaagtgt	ctgattttat	tatacaccaa	480
aggttaacag	tgaatctctg	tgtgatctct	ttttttttct	ttttgcctat	ctgcactctc	540
tcacttgcca	aaaaatgaat	atatgtttat	gtgtgtatat	tacttgtgtc	acaaaaaacc	600
ctaaagtaga	cagtaaaaga	acttgtcaat	cgcttttgga	aggcaatgaa	acacttaata	660
aactctcaat	aacagaagcg	taaaaatgaa	atgtaaacct	ccaattacct	ctggatctct	720
tagccagagt	aataaactgg	taattattac	agataaaaaa	aaaaaaaaaa	aana	774

<210> 227

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (344)

<223> n equals a,t,g, or c

<400> 227

ccacgcgtcc	ggcctttctt	ggccagaggg	gcgggttgga	ctcacgggcg	gggcatgatg	60
ggtaacagga	cgggtggggt	ccccaggaag	tcctagaggg	ggtcggggtt	tgggtggaca	120
agctttcctc	gtcctctccc	gacagagctg	acgtgtcctg	ggttccaccg	ggagcgggca	180
tttccaccgg	acgggagggg	tcgggggtgtc	cggggctggg	gaatacgtag	gggttgccgc	240
gcggtgtggg	gagttggggc	gtgtggdtgc	agtcccggga	gttcttgagg	ggggtcggcc	300
caccgagctt	cgggaccggc	tgatctgccc	gtagcttgcc	gganggargg	cggagctgac	360
tctcgcctcc	ttctcccacc	ccctccagtg	gtgggtacgg	gcacctcgct	ggcgctctcc	420
tccctcctgt	ccctgctgct	ctttgtctgg	atgcagatgt	acagccgtca	gctggcctcc	480
accgagtggc	tcaccatcca	gggcggcctg	cttgggttcg	gtctcttcgt	gttctcgctc	540
actgccttca	ataatctgga	gaatcttgct	tttggcaaa	gattccaagc	aaagatcttc	600
cctgagattc	tcctgtgccc	cctgttggct	ctctttgcat	ctggcctcat	ccaccgagtc	660
tgtgtcacca	cctgcttcat	cttctccatg	gttgggtctg	actacatcaa	caagatctcc	720
tccaccctgt	accaggcagc	agctccagtc	ctcacaccag	ccaaggtcac	aggcaagagc	780
aagaagagaa	actgaccctg	aatgttcaat	aaagttgatt	ctttgtaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaaaaaaaa	aaaaaa				865

<210> 228

<211> 1102

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (462)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (469)

<223> n equals a,t,g, or c

<400> 228

tttttttttt	accattttaa	ataaaatgaa	agtgaccttc	tgtttataaa	aatctttgtc	60
tgcactctctg	cttatttctt	tagaagagat	tccaagaagc	ggtgagtgat	ttcacggcag	120
cagaggggttg	ggacatatta	cgggcgcgga	tccctcttgg	agtgagatga	ctctccggag	180

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agatttagtc gtcaccctcg cgtgtgaggc tgcgtcacac cccagggatg tgtctatcaa 240
gatggaagat cttttacacg ctcttgattt tgtttgscly tttttctatt actagtgaga 300
akgaaacttt ttatatgatt attatccatc ataattccaac acaaattact gcttcatgtt 360
cttttacttt cctgtgaagg ttttagtgcc ttttaaaaaat tgctatataat taagcttggt 420
aatacttcca tgctgtattt gtggscatca rtttccccgg gnacaggcnt gcacattttg 480
ccttcacacg ctgggtggtt tttcattttc amttctattt ctggttcttc tatcgtttta 540
tgttcagacg ggtttctccg tgtagaaagc agtttatgaa gatttacttt cgacagtctt 600
ctctctactt tctacagtga attctctgat gtgtctggga gtttgggggt ctgggtaaga 660
rtctctctct caccctatct tctattacga tccacagcct catgctttat garattggtg 720
gccgggarcg ggggagattt gcggatcccc caagccagac tttatcccc tatccctgcc 780
tctggatccc acgtacaggc ctgggaactc cctgtgggta ggggccaatg gtctcgact 840
ctcacctgta cccagggct ggcacaggat ggtcaaggag agaggctgcc caagcgcatc 900
cytctggtgt cccctgaca cgctccaaa gtgagcaggt aggtttcaac agccccacgt 960
tgcaggtggg agatgaagct cagggtggag accagtatct cacagttctc tttgcatggc 1020
cgggtacttg ttagtcaact gatcaagtga aaattctagc cccagaggca ggagaatccg 1080
gaacaaaatt aaaccagcca gg 1102

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<210> 229
<211> 744
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (303)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (392)
<223> n equals a,t,g, or c

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<400> 229
gaattcggca cgagagtggc tggagtctgg ctgcagaggg aagacatcag cagggagggg 60
gccagggcct gtcacatctt tctcttgccc attgtcctgg tctttgtaag cccagaatct 120
ccccttccct gaagggaggc cagcacccca ggagggcagc aggtgtgctg tgaggggttg 180
agtagtgtga gaggtcaggg tacactagaa tggccatgga caccatgtgg ggggtgctctg 240
ggctgggcca cagaacagtg tcttctctgc tgctctctcc ctgcagcttc ccccgacctt 300
gtngttttatt tggtttgata ccaatcagca gaccctgcaa ggtggaagct cccaggctct 360
cagtcaccacs actctcatgt gccagtcacc cntactgtaa ctgccaatg agtacttctt 420
gccactgcc aagatagagc cagtttacca agacagggga attgcagtag agaaagagtt 480
gaatatacat agagccagct aaatgggaga gtggagtttt cttattactt aaatcagcct 540
cccytaaaat tcagaggtga gaatttttca aggacagttt ggtggscagg cctagggaat 600
ggatgctgct gattggctag ggatgcaatc ataggggtgt agaaaagtwc cttgtgcact 660
gagtccactt ttggtgagag ctaccaagga gctgctggtc tgctgggtccc ggtagagcca 720
tctggtgtca ggaatgcaaa agtg 744

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<210> 230
<211> 1935
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1)
<223> n equals a,t,g, or c

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<220>
 <221> SITE
 <222> (1921)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1927)
 <223> n equals a,t,g, or c

<400> 230

ntctacccta	atcaagatgg	ggacatactt	cgcgaccagg	ttcttcatga	acatatccag	60
agattgtcta	aagtagtgac	tgcaaatcac	agagctcttc	agataccaga	ggtttatctt	120
cgagaagcac	catggccatc	tgcaaatca	gaaatcagga	caataagtgc	ttataaaacc	180
ccccgggaca	aagtgcagtg	catcctgaga	atgtgctcta	cgattatgaa	cctcctgagc	240
ctggccaatg	aggactctgt	ccctggagcg	gatgactttg	ttcctgtggt	ggtgtttgtg	300
ttgataaagg	caaateccacc	ctgtttgctg	tctactgtgc	agtatatcag	tagcttttat	360
gctagctgtc	tgtctggaga	ggagtcctat	tggtggatgc	agttcacagc	agcagtagaa	420
ttcattaaaa	ccatcgatga	ccgaaagtga	ccaagaccaa	ggccccacaa	ggcagcagac	480
tggttaatcag	acaaacagat	ctctgagaag	gtgcatcagc	tgctttgaag	gctgaagatt	540
gttttgtatg	atactgcaca	gcatcaggca	ttttaaagca	gatctttact	aaacagggtta	600
atgagctaac	aagcagggttc	tctcgtcttt	gggctctttc	ctttctgagt	tgcatattct	660
attttcttgt	ccccaaagtag	agactagtac	tacaaaaagg	gaccacattt	ttcaagtatt	720
tctaagtata	aaaaacaaaa	caaaaatctc	ttaggaaatg	tctagacctc	cattcttgga	780
ttccctttct	ttccttttat	tttaaaaaag	aacagtagcc	ctcttttaag	atgctgtctt	840
acattaatga	gcatctaata	gaaagaagg	atgagttgca	ctgaggatta	gaatagtgg	900
gcgttagtgg	cattatctat	aaatacactc	acctaaattg	aaagctaaga	aggaaatgta	960
aatataatat	atatttata	ttgatgta	atggacatct	gcagattcta	ataaacaagg	1020
actattgctg	atagtaggct	gtgacatact	gtcttgtgaa	atgggtttcct	tgacaaaatt	1080
taagctgagc	ttaaaagcaa	aaaaacaaaa	agtacacaga	aatatttatt	aaaatgta	1140
acagtttatt	gaactttcta	ggtatggagt	ttgatggaca	gggctgccty	taatgagtgt	1200
gaaggtcact	aagtcactta	gacatctcac	cgtggaagtt	tgtgagcctg	cattaggaga	1260
tagactgatt	accatacatg	acataaaaaag	gaacagtgg	tagctcatac	tttatgggtg	1320
ttcttctcct	ccgaaataat	atactgcaga	aatcccagac	agagctcctt	acaaaccttt	1380
aattgtaata	tatttttgat	gattattcac	attgaatgca	cagaccaaga	attcagtga	1440
tgctattttt	taaaaaacta	atttgtattg	tctgctctag	tgatacaagt	tttactagt	1500
ataaactatt	ttaatcaacc	atactattct	tatggaaaaa	aatatctatt	ttggcaggtt	1560
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caccaaagct	tcaagcaca	gtcttgtaca	tgggccatca	ctgtctggtt	tcacttcgtg	1740
tgttttctaa	acacatttag	ctgttttttt	aacaaactca	gccccatact	tgagtccttt	1800
gttggtggga	gcatttccag	gcattcttta	agggaaactgt	gacaaacagc	ctcgggcaga	1860
tgaacacgga	ggctctctgt	tgtctgtctc	tgagatcttt	gtgtctggga	atgcctaaag	1920
nttttgnntt	ttttt					1935

<210> 231
 <211> 1035
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1032)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1034)
 <223> n equals a,t,g, or c

<400> 231

agaggcctgg	ctgcgttgcc	ctatctccgt	ctccgccacc	cacttagcgt	tttaggcac	60
aattaccagc	agtttctccg	ccactatctg	gaaaattacc	cgattgctcc	cggcagaata	120
caagagcctg	aagaacgccg	cagttgcgtg	gaagcctgca	gagcaaggga	agcagcgttt	180
gatgccgaat	atcagcgaaa	tcctcacagg	gtggacctcg	atattttaac	ctttacgata	240
gctctgactg	cctctgaagt	tatcaaccct	ctgatagaag	aacttggttg	cgataagttt	300
atcaatagag	aatagttagg	tggtgacact	acttcaagag	aacctctgca	ttccagtcac	360
accaatcctg	caacttgatt	ttcagaagtc	aagagtatat	cgcgataaga	cagtgcacag	420
gtggagggga	aaaaaagggg	gagggggaag	cttatcttga	aaaagcatca	cagaagtaga	480
aaaaaatgtc	gaaagcatta	taactgtaac	gttctttgag	tttgtgattg	atccacattt	540
ttccccctgc	attatggaaa	atgtctctca	gcattgcttt	attacaaagt	aaaggatggg	600
tttataaaat	tgagactgat	gaaacatcaa	tactagagcc	catgaggatg	aaagaaatta	660
tcaaatagtg	ctgaacagaa	taagatgtta	acgctgagtt	attaggactg	gaaggctatg	720
aaaagaactt	gaaattgtcg	gaatatgtgc	tctcttcatg	tcatattcaa	tagaagtttc	780
tagtttaaga	ttgattttgt	gttttcttag	gcattttcaag	tgacaagcaa	agtaaatgta	840
tatattatgt	gataaatcat	gttttcaaga	acgtcaaatt	tctggacttt	tttctttcaa	900
tttttaattt	ttaaagtttt	tttggtatta	aaaaatcyat	tcacaagcca	aaaaatwtwt	960
waaatwtwcm	gcgaaaagcc	aaaaaaaaaa	aaaammaggg	ggggccgggc	cccatccccc	1020
caaggggggc	cngnt					1035

<210> 232
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (438)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (741)
 <223> n equals a,t,g, or c

<400> 232

gggtcgaccc	acgcgtccgc	tgaccagtc	gttatagata	cttcttccca	tacaaaaact	60
gtttaaacag	gtgccaccac	aagggatgtc	gtccttactc	tctgcgggtc	ttcaagcatc	120
cctttgtggg	aaargtctct	gggcaagcac	gtggtatttg	gtctgctgct	tgcttccctt	180
tttccaccag	ggatgtttgt	atcataagtc	aaaacaacag	tatattccaa	atctcaaaag	240
ctattgtggc	ctgagcacaa	ttgaaatcta	gcagagtttt	tcctatgtag	ctttagagta	300
actcttctgc	ttctctgtca	cttacaattc	aggttctgcc	tttgccctaag	agcatgagca	360
gaagagtcct	catgtgacgc	ttagttctat	tgcagtcctg	ggtgaaacta	tttaagcwat	420
ggggctgctk	ctcccanwt	cctccctaac	aattcgttgt	gtggacttct	catctaaaag	480
gttagtggct	tttgcttggg	atcagtgtct	tctattgatg	ttcttgctgg	tctccagaca	540
cattcctgtt	gcattaaagac	ttgaaagact	tgtagatgtg	tgatgttcag	gcacaggatg	600
ctgaaagcta	tgttactatt	cttagtttgt	aaattgtcct	tttgatacca	tcattcttgt	660
ttctttttgt	aggtataaat	aaaaacactg	ttgacaataa	aaaaaaaaaa	aaaaaaaaaa	720
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			760

<210> 233
 <211> 2057

<212> DNA

<213> Homo sapiens

<400> 233

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gtgtgagagg agggagcaaa aagctcaccc taaaacattt atttcaagga gaaaagaaaa      180
agggggggcg caaaaatggc tggggcaatt atagaaaaca tgagcaccaa gaagctgtgc      240
attgttggtg ggattctgct cgtgttccaa atcatcgcct ttctggtggg aggcttgatt      300
gctccagggc ccacaacggc agtgtcctac atgtcgtgta aatgtgtgga tgcccgtaag      360
aaccatcaca agacaaaatg gttcgtgcct tggggaccca atcattgtga caagatccga      420
gacattgaag aggcaattcc aagggaaatt gaagccaatg acatcgtgtt ttctgttcac      480
attccctccc ccacatgga gatgagtcct tggttccaat tcatgmtgtt tatcctgcag      540
ctggacattg ccttcaagct aaacaaccaa atcagrgaaa atgcagaagt ctccatggac      600
gtttccctgg cttaccgtga tgacgcgttt gctgagtggg ctgaaatggc ccatgaaaga      660
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<210> 234

<211> 2084

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (775)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2083)

<223> n equals a,t,g, or c

<400> 234

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<210> 235

<211> 2143

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2058)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2115)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2132)
 <223> n equals a,t,g, or c

<400> 235

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<210> 236
 <211> 1133
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (528)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (552)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1133)
 <223> n equals a,t,g, or c

<400> 236

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<210> 237
 <211> 1025
 <212> DNA
 <213> Homo sapiens

<400> 237

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<210> 238

<211> 1400

<212> DNA

<213> Homo sapiens

<400> 238

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aaaaaaaaaa	aaaaactcga					1400

<210> 239

<211> 1250

<212> DNA

<213> Homo sapiens

<400> 239

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<210> 240
 <211> 1307
 <212> DNA
 <213> Homo sapiens

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 <222> (651)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1064)
 <223> n equals a,t,g, or c

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<210> 241
 <211> 888
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (830)
 <223> n equals a,t,g, or c

<400> 241
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 cccaggggac agtctcaaat gcaaattcac agagtgasmc accacctcgg gtagaatttg 180
 atgacaacaa tcccttttagt gaaagttttc aagaacggga acgtaaggaa cgtttacgag 240
 aacagcaaga gagacaacgg atccaactca tgcaggagggt agatagacaa agagctttgc 300

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taggaccctt	tcagcagtct	ccacaacacc	aacagcaa	ggggcagggt	ttacagcagc	480
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gtccccagtg	aggccttctt	ttacacctgc	tttaccagca	gcacctccag	tagctaatag	720
cagtctccca	tgtggccaag	attctactat	aacccatgga	cacagttatc	cgggatcaac	780
ccaatcgctc	attcagttgt	attctgatat	aatcccagag	gaaaaagggn	aaaaaaaara	840
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<210> 242

<211> 1811

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1810)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1811)

<223> n equals a,t,g, or c

<400> 242

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ttttcttgga	agccscatca	gtcstyctct	ctatatattat	ttataatgcc	agcaagcctc	240
aagttccgga	atacgcacct	aggcaagaaa	ggatccgaga	tctaagtggc	aatctttggg	300
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aatcctaata	atctttgcat	atatctagct	actccctaaa	tggttccatc	caaggccttag	540
agtacccaaa	ggctaagaaa	ttctaaagaa	ctgatacagg	agtaacaata	tgaagaattc	600
attaatatct	cagtacttga	taaatcagaa	agttatatgt	gcagattatt	ttccttggcc	660
ttcaagcttc	caaaaaactt	gtaataatca	tgtttagctat	agcttgtata	tacacataga	720
gatcaatttg	ccaaatattc	acaatcatgt	agttctagtt	tacatgccaa	agtcttcctt	780
ttttaacatt	ataaaagcta	ggttgtctct	tgaattttga	ggccctagag	atagtcattt	840
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aaaaaaaaan n 1811

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<210> 243

<211> 2271

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (553)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2267)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2269)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2271)

<223> n equals a,t,g, or c

<400> 243

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gctctatcca gtgttgatc acggactgat tcaccgagcc caaccgtact caactcacat 240
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tcttattatt tttgcttttt gcattgctgt tgtttacatt acatatcaca acaaaaggaa 720
gatttttctt ctgggttcaa gcaggaaatg gcgtgatggc ctttggtcca aaacagtgga 780
ataccatcgc ctgatcaga atgttaatga ggcaatgcct tctttgaaga ttaccaatga 840

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tcacattcat tctccgccat tcaaatacta ttttttatcc acatTTTTTT ttgttcccaa 1260
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<210> 244
<211> 2500
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (2459)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2473)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2475)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2478)
<223> n equals a,t,g, or c

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<400> 244
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acgatgacag tgggaacacc ttcttctact tctcacctc ctctgtgggg ctcatcgtga 180
tcccggcgac atactacctc tggccccgag atcagaatgc cgagcaaatt cgattaaaga 240
atatcagaaa agtatatgga aggtgtatgt ggtacgttta cggttattaa aacccagcc 300
aaatattatt cctacagtaa agaaaatagt tctgcttga ggatgggcat tgttcttatt 360

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ccttgcatat	aaagtttcca	aaacagaccg	agaataccaa	gaatacaatc	cttatgaagt	420
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acttaaatat	catccagata	aaggaggtga	tgaggttatg	ttcatgagga	tagcaaaagc	540
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<210> 245

<211> 1338

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (867)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1338)

<223> n equals a,t,g, or c

<400> 245

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<210> 246

<211> 654

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (651)

<223> n equals a,t,g, or c

<400> 246

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ggaggctgag	gcaggagaat	cgtttgaatc	tgggagttgg	aggttgtcag	tgagctgaga	600
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<210> 247

<211> 1146

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (37)

<223> n equals a,t,g, or c

<400> 247

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<210> 248

<211> 1443

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (776)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (907)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1288)

<223> n equals a,t,g, or c

<400> 248

ataaactgaa	ataggtcatg	caaataataa	atattatatt	taaattattt	gtcataagaa	60
acgatgggtg	ccatattttg	ctttaataat	ggaaaaaatg	tggttagcat	tctktggaag	120
gtggtcatca	gatatagtag	atatttctagg	atttatttct	acctgcatat	gtggaaatgt	180
gtactacttt	agatttatwt	aatggcagct	aactcagagg	catcaaaatg	tgctaattgt	240
gtaatatggc	ctttgtcttg	ctgtyctgtt	ttgtargcct	tcaatcaagc	argggcaggg	300
ccgtacagtg	aacttgtcct	ttgscagacg	ccagcgtctg	cccctgaccc	cgtctccact	360
ctctgtgtcc	tggaggagga	gccccttgat	gcytaccctg	attcaccttc	tgcgtgcctt	420
gtactgaact	gggaagagcc	gtgcaataac	ggatctgaaa	tccttgctta	caccattgat	480
ctaggagaca	ctagcattac	cgtgggcaac	accaccatgc	atgttatgaa	agatctcctt	540
ccagaaacca	cctaccggtg	agtgcgaagg	agtagaaatc	tgcatacagc	catcagcact	600
tggggatcta	agtaaacctc	tcggggaaaa	tgaccaagtg	gatgtcatct	cccagctggt	660
tctaagagcc	cagatgtcca	gagtattgtc	tcaccttgat	ccctcaggcc	agaagacctg	720
tgaaaaagcc	acactgggtc	agggactcac	tggacgggtt	tgtgtccact	ytaacntgca	780
ccgtctctac	cccagagtgg	actcaratcc	tcaagtcac	ctctgaacat	tgrrgtcaga	840
aattataaaa	gggctttggc	aatatgttag	cccaagaatt	tggcttcttc	cagaaattgt	900
gccgacntta	acagtggctt	aaatgatggt	aaaactttta	agatttctaa	aaggrtggca	960
ttggagatac	gttgactttt	attaaacmac	ctatagtgtg	ttaatgaytt	ctaaaaaat	1020
atctggagct	caggggttca	actgagggaa	cacatgttga	gratcattgt	ttactaatta	1080
aatgccaggt	aaccggttga	aattatcaaa	aacatcttcc	acgtaccaga	aagcacctca	1140
gaggatagtt	ctgttatgga	gaagatgaaa	tggtttagta	gtgtaggaac	tatggaaagg	1200
tgagcttaga	tttggatagt	aaaacctcaa	gacctatatt	aaaaagtatt	ttatgaatgc	1260
agcataaata	atttaattca	gtgttaanat	gccagggcta	gtatattgag	ctgaatgtga	1320
aaagaaactc	acattggggag	aatgccacct	tttctttata	agatagcttt	gaagatacca	1380
tttttagacag	atggaaattg	aatagcttta	gaaaaggcaa	atgtttgatc	ttggggaaaa	1440
aaa						1443

<210> 249

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 249

Met	Leu	Ser	Thr	Gly	Ile	Glu	Val	Ala	Arg	Pro	Pro	Ala	Thr	Leu	Leu
1					5				10					15	

Gly	Leu	Met	Phe	Val	Leu	Thr	Gly	Met	Pro	Arg	Gly	Leu	Arg	Xaa	
			20					25					30		

<210> 250

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys Pro Ile Leu
 65 70 75 80

Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His Ser Phe Ile
 85 90 95

His Ser Ser Asn Ile Cys Xaa
 100

<210> 252
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 252
 Met Ile Leu Phe Pro Gln Xaa Ala Leu Arg Leu Gly Xaa Trp Pro Arg
 1 5 10 15

Thr Trp Ser Ile Leu Xaa Lys Tyr Ser Val Asn Phe Phe Ser Ala Tyr
 20 25 30

Ser Pro Met Gly Ala Val Gly Thr Glu Phe
 35 40

<210> 253
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 253

Met Ile Ile Leu Leu Leu Phe Met Leu Leu Asn Asn Val Val Leu Val
 1 5 10 15

Gln Glu Asp Asn Cys Gln Arg Lys Asn Thr Val Gln Glu Arg Arg Xaa
 20 25 30

Trp Ser Gln Trp Xaa
 35

<210> 254

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals stop translation

<400> 254

Met Ala Ala Xaa Pro Pro Gly Cys Thr Pro Pro Xaa Leu Leu Asp Ile
 1 5 10 15

Ser Trp Leu Thr Glu Ser Leu Gly Ala Gly Gln Pro Val Pro Val Glu
 20 25 30

Cys Arg His Arg Leu Glu Val Ala Gly Pro Arg Lys Gly Pro Leu Ser
 35 40 45

Pro Ala Trp Met Pro Ala Tyr Ala Cys Gln Arg Pro Thr Pro Leu Thr
 50 55 60

His His Asn Thr Gly Leu Ser Glu Leu Leu Glu His Gly Val Cys Glu
 65 70 75 80

Glu Val Glu Arg Val Arg Arg Ser Glu Arg Tyr Gln Thr Met Lys Val
 85 90 95

Arg Arg Ala Gly Leu Gly Pro Thr Pro Gly Met Ser Cys Pro Gly Asn
 100 105 110

Asp Asn Thr Val His Thr Met His Gly Glu Ala Asn Arg Gly Ser Xaa
 115 120 125

<210> 255
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 255
 Met Ser Ile Leu Cys Cys Pro Xaa Leu Cys Leu Phe Phe Ser Phe Cys
 1 5 10 15
 Ile Ser Ser Gly Ser Cys Pro Phe Ser His Val Ser Gln Leu Ser Phe
 20 25 30
 Ile Ala Thr Phe Ser Gln Ser Ser Pro Val Leu Leu Val Pro Ala Tyr
 35 40 45
 Asn Thr Tyr Leu Ser Phe Leu Ala Phe Leu Asp Cys Ala Ser Leu Thr
 50 55 60
 Ser Thr Xaa
 65

<210> 256
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals stop translation

<400> 256
 Met Ser Thr Phe Gln Leu Leu Leu Leu Ile Leu Ala Gln Ser Thr Tyr
 1 5 10 15
 Lys Ile Lys Ser Lys Pro Leu His Met Thr Asn His Thr Leu Leu Asn
 20 25 30
 Ser Pro Gly Leu Asn Pro Ser Ser Pro Thr Leu Asn Phe Lys Thr Gln
 35 40 45
 Gln His Glu Ser Val Ser Tyr Ala Cys Cys His Met Arg Ser Leu His
 50 55 60
 His Ala Phe Ala Xaa
 65

<210> 259

<211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 259
 Met Val Gln Thr Ile Gln Asp Phe Leu Ser Leu Phe Ser Thr Pro Ile
 1 5 10 15

Phe Leu Leu Leu Leu Met Phe Glu Thr Leu Ser Leu Ala Pro Ala Trp
 20 25 30

Leu Lys Pro Leu Arg Val Thr Ser His Ser Xaa
 35 40

<210> 260
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

<400> 260
 Met Ile Leu Met Pro Gly Leu Gly Thr Ser Arg Gln Arg Ser Val Pro
 1 5 10 15

Phe Val Pro Thr Leu Asn Ala Ser Thr Pro Gly Ala Met Thr Gly Pro
 20 25 30

Thr Ala Thr Leu Thr Ser Cys Gln Trp Thr Thr Ala Cys Arg Val Ser
 35 40 45

Trp Ala Asn Gly Trp Thr Ser Leu Arg Thr Phe Arg Xaa
 50 55 60

<210> 261
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals stop translation

<400> 261
 Met Ser His His Ala Gln Pro Arg Phe Leu Leu Ile Thr Met Leu Leu
 1 5 10 15

Met Gln Asp Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala
65 70 75 80

Trp Val Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr
85 90 95

Ile Phe Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu
100 105 110

Asn Gly Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala
115 120 125

Glu Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu
130 135 140

Thr Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro
145 150 155 160

Glu Val Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser
165 170 175

His Pro Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg
180 185 190

Leu Val Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser
195 200 205

Gly Pro Xaa
210

<210> 264

<211> 548

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (548)

<223> Xaa equals stop translation

<400> 264

Met Glu Asp Ser Glu Ala Leu Gly Phe Glu His Met Gly Leu Asp Pro
1 5 10 15

Arg Leu Leu Gln Ala Val Thr Asp Leu Gly Trp Ser Arg Pro Thr Leu
20 25 30

Ile Gln Glu Lys Ala Ile Pro Leu Ala Leu Glu Gly Lys Asp Leu Leu
35 40 45

Ala Arg Ala Arg Thr Gly Ser Gly Lys Thr Ala Ala Tyr Ala Ile Pro
50 55 60

Met Leu Gln Leu Leu Leu His Arg Lys Ala Thr Gly Pro Val Val Glu
65 70 75 80

Gln Ala Val Arg Gly Leu Val Leu Val Pro Thr Lys Glu Leu Ala Arg
85 90 95

Gln Ala Gln Ser Met Ile Gln Gln Leu Ala Thr Tyr Cys Ala Arg Asp
 100 105 110
 Val Arg Val Ala Asn Val Ser Ala Ala Glu Asp Ser Val Ser Gln Arg
 115 120 125
 Ala Val Leu Met Glu Lys Pro Asp Val Val Val Gly Thr Pro Ser Arg
 130 135 140
 Ile Leu Ser His Leu Gln Gln Asp Ser Leu Lys Leu Arg Asp Ser Leu
 145 150 155 160
 Glu Leu Leu Val Val Asp Glu Ala Asp Leu Leu Phe Ser Phe Gly Phe
 165 170 175
 Glu Glu Glu Leu Lys Ser Leu Leu Cys His Leu Pro Arg Ile Tyr Gln
 180 185 190
 Ala Phe Leu Met Ser Ala Thr Phe Asn Glu Asp Val Gln Ala Leu Lys
 195 200 205
 Glu Leu Ile Leu His Asn Pro Val Thr Leu Lys Leu Gln Glu Ser Gln
 210 215 220
 Leu Pro Gly Pro Asp Gln Leu Gln Gln Phe Gln Val Val Cys Glu Thr
 225 230 235 240
 Glu Glu Asp Lys Phe Leu Leu Leu Tyr Ala Leu Leu Lys Leu Ser Leu
 245 250 255
 Ile Arg Gly Lys Ser Leu Leu Phe Val Asn Thr Leu Glu Arg Ser Tyr
 260 265 270
 Arg Leu Arg Leu Phe Leu Glu Gln Phe Ser Ile Pro Thr Cys Val Leu
 275 280 285
 Asn Gly Glu Leu Pro Leu Arg Ser Arg Cys His Ile Ile Ser Gln Phe
 290 295 300
 Asn Gln Gly Phe Tyr Asp Cys Val Ile Ala Thr Asp Ala Glu Val Leu
 305 310 315 320
 Gly Ala Pro Val Lys Gly Lys Arg Arg Gly Arg Gly Pro Lys Gly Asp
 325 330 335
 Lys Ala Ser Asp Pro Glu Ala Gly Val Ala Arg Gly Ile Asp Phe His
 340 345 350
 His Val Ser Ala Val Leu Asn Phe Asp Leu Pro Pro Thr Pro Glu Ala
 355 360 365
 Tyr Ile His Arg Ala Gly Arg Thr Ala Arg Ala Asn Asn Pro Gly Ile
 370 375 380
 Val Leu Thr Phe Val Leu Pro Thr Glu Gln Phe His Leu Gly Lys Ile
 385 390 395 400
 Glu Glu Leu Leu Ser Gly Glu Asn Arg Gly Pro Ile Leu Leu Pro Tyr

405 410 415
 Gln Phe Arg Met Glu Glu Ile Glu Gly Phe Arg Tyr Arg Cys Arg Asp
 420 425 430
 Ala Met Arg Ser Val Thr Lys Gln Ala Ile Arg Glu Ala Arg Leu Lys
 435 440 445
 Glu Ile Lys Glu Glu Leu Leu His Ser Glu Lys Leu Lys Thr Tyr Phe
 450 455 460
 Glu Asp Asn Pro Arg Asp Leu Gln Leu Leu Arg His Asp Leu Pro Leu
 465 470 475 480
 His Pro Ala Val Val Lys Pro His Leu Gly His Val Pro Asp Tyr Leu
 485 490 495
 Val Pro Pro Ala Leu Arg Gly Leu Val Arg Pro His Lys Lys Arg Lys
 500 505 510
 Lys Leu Ser Ser Ser Cys Arg Lys Ala Lys Arg Ala Lys Ser Gln Asn
 515 520 525
 Pro Leu Arg Ser Phe Lys His Lys Gly Lys Lys Phe Arg Pro Thr Ala
 530 535 540
 Lys Pro Ser Xaa
 545

 <210> 265
 <211> 299
 <212> PRT
 <213> Homo sapiens

 <400> 265
 Met Thr Thr Val Pro Pro Ser Pro Arg Pro Met Ser Arg Pro Ser Glu
 1 5 10 15
 Arg Asn Met Arg Arg Pro Arg Gly Pro Ser Pro Leu Pro Ala Ser Pro
 20 25 30
 Arg Asn Ser Thr Pro Asp Glu Pro Asp Val His Phe Ser Lys Lys Phe
 35 40 45
 Leu Asn Val Phe Met Ser Gly Arg Ser Arg Ser Ser Ser Ala Glu Ser
 50 55 60
 Phe Gly Leu Phe Ser Cys Ile Ile Asn Gly Glu Glu Gln Glu Thr
 65 70 75 80
 His Arg Ala Ile Phe Arg Phe Val Pro Arg His Glu Asp Glu Leu Glu
 85 90 95
 Leu Glu Val Asp Asp Pro Leu Leu Val Glu Leu Gln Ala Glu Asp Tyr
 100 105 110
 Trp Tyr Glu Ala Tyr Asn Met Arg Thr Gly Ala Arg Gly Val Phe Pro

115	120	125
Ala Tyr Tyr Ala Ile Glu Val Thr Lys Glu Pro Glu His Met Ala Ala		
130	135	140
Leu Ala Lys Asn Ser Asp Trp Val Asp Gln Phe Arg Val Lys Phe Leu		
145	150	155
Gly Ser Val Gln Val Pro Tyr His Lys Gly Asn Asp Val Leu Cys Ala		
	165	170
Ala Met Gln Lys Ile Ala Thr Thr Arg Arg Leu Thr Val His Phe Asn		
	180	185
Pro Pro Ser Ser Cys Val Leu Glu Ile Ser Val Arg Gly Val Lys Ile		
	195	200
Gly Val Lys Ala Asp Asp Ser Gln Glu Ala Lys Gly Asn Lys Cys Ser		
	210	215
His Phe Phe Gln Leu Lys Asn Ile Ser Phe Cys Gly Tyr His Pro Lys		
	225	230
Asn Asn Lys Tyr Phe Gly Phe Ile Thr Lys His Pro Ala Asp His Arg		
	245	250
Phe Ala Cys His Val Phe Val Ser Glu Asp Ser Thr Lys Ala Leu Ala		
	260	265
Glu Ser Val Gly Arg Ala Phe Gln Gln Phe Tyr Lys Gln Phe Val Glu		
	275	280
Tyr Thr Cys Pro Thr Glu Asp Ile Tyr Leu Glu		
	290	295

<210> 266

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 266

Leu	Leu	Tyr	Leu	Leu	Lys	Val	Xaa	Val	Ile	Phe	Val	Phe	Ser	Ser	Ser
1					5				10					15	

Lys	Gly	Val	Thr	Leu	Val	Ser	Met	Asn	Leu	Thr	Ser	Phe	Phe	Val	Ser
		20						25					30		

Ser Val Leu Ala Cys Phe Ser Xaa
35 40

<210> 267

<211> 594

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 267

Met Pro Ala Ser Ser Leu Glu Ser Arg Ser Phe Leu Leu Ala Lys Lys
1 5 10 15

Ser Gly Glu Asn Val Ala Lys Phe Ile Ile Asn Ser Tyr Pro Lys Tyr
20 25 30

Phe Gln Lys Asp Ile Ala Glu Pro His Ile Pro Cys Leu Met Pro Glu
35 40 45

Tyr Phe Glu Pro Gln Ile Lys Asp Ile Ser Glu Ala Ala Leu Lys Glu
50 55 60

Arg Ile Glu Leu Arg Lys Val Lys Ala Ser Val Asp Met Phe Asp Gln
65 70 75 80

Leu Leu Gln Ala Gly Thr Thr Val Ser Leu Glu Thr Thr Asn Ser Leu
85 90 95

Leu Asp Xaa Leu Cys Tyr Tyr Gly Asp Gln Glu Pro Ser Thr Asp Tyr
100 105 110

His Phe Gln Gln Thr Gly Gln Ser Glu Ala Leu Glu Glu Glu Asn Asp
115 120 125

Glu Thr Ser Arg Arg Lys Ala Gly His Gln Phe Gly Val Thr Trp Arg
130 135 140

Ala Lys Asn Asn Ala Glu Arg Ile Phe Ser Leu Met Pro Glu Lys Asn
145 150 155 160

Glu His Ser Tyr Cys Thr Met Ile Arg Gly Met Val Lys His Arg Ala
165 170 175

Tyr Glu Gln Ala Leu Asn Leu Tyr Thr Glu Leu Leu Asn Asn Arg Leu
180 185 190

His Ala Asp Val Tyr Thr Phe Asn Ala Leu Ile Glu Ala Thr Val Cys
195 200 205

Ala Ile Asn Glu Lys Phe Glu Glu Lys Trp Ser Lys Ile Leu Glu Leu
210 215 220

Leu Arg His Met Val Ala Gln Lys Val Lys Pro Asn Leu Gln Thr Phe

225 230 235 240
 Asn Thr Ile Leu Lys Cys Leu Arg Arg Phe His Val Phe Ala Arg Ser
 245 250 255
 Pro Ala Leu Gln Val Leu Arg Glu Met Lys Ala Ile Gly Ile Glu Pro
 260 265 270
 Ser Leu Ala Thr Tyr His His Ile Ile Arg Leu Phe Asp Gln Pro Gly
 275 280 285
 Asp Pro Leu Lys Arg Ser Ser Phe Ile Ile Tyr Asp Ile Met Asn Glu
 290 295 300
 Leu Met Gly Lys Arg Phe Ser Pro Lys Asp Pro Asp Asp Asp Lys Phe
 305 310 315 320
 Phe Gln Ser Ala Met Ser Ile Cys Ser Ser Leu Arg Asp Leu Glu Leu
 325 330 335
 Ala Tyr Gln Val His Gly Leu Leu Lys Thr Gly Asp Asn Trp Lys Phe
 340 345 350
 Ile Gly Pro Asp Gln His Arg Asn Phe Tyr Tyr Ser Lys Phe Phe Asp
 355 360 365
 Leu Ile Cys Leu Met Glu Gln Ile Asp Val Thr Leu Lys Trp Tyr Glu
 370 375 380
 Asp Leu Ile Pro Ser Ala Tyr Phe Pro His Ser Gln Thr Met Ile His
 385 390 395 400
 Leu Leu Gln Ala Leu Asp Val Ala Asn Arg Leu Glu Val Ile Pro Lys
 405 410 415
 Ile Trp Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu
 420 425 430
 Arg Glu Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu
 435 440 445
 Leu Gln Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr
 450 455 460
 Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser
 465 470 475 480
 Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu
 485 490 495
 Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg
 500 505 510
 Ser Glu Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser
 515 520 525
 Pro Ser Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu
 530 535 540

Pro Ile Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile
545 550 555 560

Asn Gln Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser
565 570 575

Asp Ser Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu
580 585 590

Gly Lys

<210> 268

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals stop translation

<400> 268

Met Lys Leu Asn Leu Cys Ile Pro Asn Trp Ala Arg Cys Pro Leu Leu
1 5 10 15

Leu Leu Phe Pro Gln Leu Leu Pro Phe Gln Gly Glu Asp Asp Asp Pro
20 25 30

Leu Lys Ala Lys Ala Ala Asn Leu Val Glu Ala Val Pro Trp Gly Ile
35 40 45

Lys Ala Pro Ser Phe Gln Val Thr Cys Leu Val Arg Val Gln Leu Gln
50 55 60

Ser Cys Thr Pro Ser Arg Pro Ser Thr Leu Leu Ala Thr Ser Gln Ser
65 70 75 80

Pro Gly Arg Ile Ser Cys Tyr Ser Pro Leu Ser His Leu Pro Pro Val
85 90 95

Thr Thr Ser Ile Gln Pro Ser Pro Val Met Val Pro Phe Gln Tyr Gln
100 105 110

Ala Phe Leu Leu Gln Val Lys Glu Pro Ala Ala Gln Thr Leu Leu Gly
115 120 125

Gln Gln Xaa
130

<210> 269

<211> 21

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals stop translation

<400> 269
 Met Arg Tyr His Ala Gln Leu Ile Phe Cys Ile Phe Cys Xaa Phe Val
 1 5 10 15
 Phe Val Xaa Lys Xaa
 20

<210> 270
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 270
 Met Thr Gly Thr Tyr Ser Gly Gln Phe Val Met Glu Gly Phe Leu Asn
 1 5 10 15
 Leu Lys Trp Ser Arg Phe Ala Arg Val Val Leu Thr Arg Ser Ile Ala
 20 25 30
 Ile Ile Pro Thr Leu Leu Val Ala Val Phe Gln Asp Val Glu His Leu
 35 40 45

Thr Gly Met Asn Asp Phe Leu Asn Val Leu Gln Ser Leu Gln Leu Pro
50 55 60

Phe Ala Leu Ile Pro Ile Leu Thr Phe Thr Ser Leu Arg Pro Val Met
65 70 75 80

Ser Asp Phe Ala Asn Gly Leu Gly Trp Arg Ile Ala Gly Gly Ile Trp
85 90 95

Ser Tyr His Leu Phe His His Met Tyr Phe Val Val Xaa Tyr Val Arg
100 105 110

Asp Leu Arg His Val Xaa Leu Tyr Val Xaa Ala Ala Val Val Xaa Arg
115 120 125

Gly Leu Ser Gly Leu Cys Val Leu Leu Gly Leu Ala Met Phe Asp Cys
130 135 140

Thr Gly His Val Leu Pro Gly Leu Trp Ala Tyr Gly Lys His Leu
145 150 155

<210> 271

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (219)

<223> Xaa equals stop translation

<400> 271

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu
1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys
20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys
35 40 45

Gly Asp Leu Leu Asn Ala His Tyr Asp Gly Tyr Leu Ala Lys Asp Gly
50 55 60

Ser Lys Phe Tyr Cys Ser Arg Thr Gln Asn Glu Gly His Pro Lys Trp
65 70 75 80

Phe Val Leu Gly Val Gly Gln Val Ile Lys Gly Leu Asp Ile Ala Met
85 90 95

Thr Asp Met Cys Pro Gly Glu Lys Arg Lys Val Val Ile Pro Pro Ser
100 105 110

Phe Ala Tyr Gly Lys Glu Gly Tyr Ala Glu Gly Lys Ile Pro Pro Asp
115 120 125

Ala Thr Leu Ile Phe Glu Ile Glu Leu Tyr Ala Val Thr Lys Gly Pro

130 135 140

Arg Ser Ile Glu Thr Phe Lys Gln Ile Asp Met Asp Asn Asp Arg Gln
145 150 155 160

Leu Ser Lys Ala Glu Ile Asn Leu Tyr Leu Gln Arg Glu Phe Glu Lys
165 170 175

Asp Glu Lys Pro Arg Asp Lys Ser Tyr Gln Asp Ala Val Leu Glu Asp
180 185 190

Ile Phe Lys Lys Asn Asp His Asp Gly Asp Gly Phe Ile Ser Pro Lys
195 200 205

Glu Tyr Asn Val Tyr Gln His Asp Glu Leu Xaa
210 215

<210> 272
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals stop translation

<400> 272
Met Trp Val Ile Arg Val Phe Gln Lys Thr Phe Leu Phe Phe Val Leu
1 5 10 15

Phe Trp Ser Val His Cys Ile Ser Asp Lys Phe Gly Cys Leu Trp His
20 25 30

Val Cys Met Lys Arg Glu Gly Asp Xaa Asn Cys Leu Ser Phe Ser Xaa
35 40 45

Leu Xaa
50

<210> 273
<211> 122
<212> PRT
<213> Homo sapiens

<220>

> SITE
 > (7)
 > Xaa equals any of the naturally occurring L-amino acids

> SITE
 > (20)
 > Xaa equals any of the naturally occurring L-amino acids

> SITE
 > (122)
 > Xaa equals stop translation

> 273
 Pro Ser Gln Thr Glu Xaa Phe Ala Ala Cys Gly Gly His Ser Leu
 5 10 15

Leu Val Xaa Leu Pro Leu Gly Leu Pro Phe Cys Pro Arg Ala Ala
 20 25 30

Cys Asp Leu Pro Phe Ser Leu Pro Ser Phe Pro Gly Gln Ala Arg
 35 40 45

Gly Gly Ala Glu Lys Gln Gly Ala Glu Gly Arg Gly Leu Gln Val
 50 55 60

Pro Arg Gly Gln Arg Thr Phe Gln Val Ser Arg Thr Ala Pro Ala
 70 75 80

Pro Arg Ser Arg Gln Pro Arg Pro Pro Ala Ala Leu Pro Ala Leu
 85 90 95

Phe Gly Gly Arg Gly Val Ala Lys Gly Arg Phe Leu Cys Phe Trp
 100 105 110

Leu Tyr Met Leu Arg Ile Asp Gln Xaa
 115 120

0> 274
 1> 88
 2> PRT
 3> Homo sapiens

0>
 1> SITE
 2> (53)
 3> Xaa equals any of the naturally occurring L-amino acids

0>
 1> SITE
 2> (88)
 3> Xaa equals stop translation

10> 274
 Thr Ala Phe Cys Ser Leu Leu Leu Gln Ala Gln Ser Leu Leu Pro
 5 10 15

Arg Thr Met Ala Ala Pro Gln Asp Ser Leu Arg Pro Gly Glu Glu Asp
 20 25 30

Glu Gly Met Gln Leu Leu Gln Thr Lys Asp Ser Met Ala Lys Gly Ala
 35 40 45

Arg Pro Gly Ala Xaa Arg Gly Arg Ala Arg Trp Gly Leu Ala Tyr Thr
 50 55 60

Leu Leu His Asn Pro Thr Leu Gln Val Phe Arg Lys Thr Ala Leu Leu
 65 70 75 80

Gly Ala Asn Gly Ala Gln Pro Xaa
 85

<210> 275

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 275

Met Ile Gln Val Ser Val Pro Leu Leu Thr Ile Met Ile Phe Leu Leu
 1 5 10 15

Tyr Leu Gln Ile Gly Pro Gly Lys Leu Xaa
 20 25

<210> 276

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals stop translation

<400> 276

Met Leu Leu Asp Pro Phe Ile Leu Leu Phe Cys Leu Phe Ser Thr Ala
 1 5 10 15

Ala Gln Ser Cys Leu Glu Phe Ile Tyr Ile Gln Phe Xaa
 20 25

<210> 277

<211> 44

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 277
 Met Lys Phe Leu Ser Ile Leu Leu Asp Asp Asn Asn Phe Xaa Leu Met
 1 5 10 15
 Leu Met Leu Ala Pro Phe Gly Cys Leu Ala Phe Glu Arg Ser Met Lys
 20 25 30
 Met Arg Asn Gly Ala Leu Gly Leu Glu Glu Val Xaa
 35 40

<210> 278
 <211> 363
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (307)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (363)
 <223> Xaa equals stop translation

<400> 278
 Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro
 1 5 10 15
 Val His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys
 20 25 30
 Thr Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg
 35 40 45
 Gly Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His
 50 55 60
 Arg Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp
 65 70 75 80
 Val Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr
 85 90 95
 Lys Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln
 100 105 110

Leu Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp
 115 120 125
 Val Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu
 130 135 140
 His Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe
 145 150 155 160
 Arg Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr
 165 170 175
 Val Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu
 180 185 190
 Val Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Thr Asp Gln Leu Gly
 195 200 205
 Met Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly
 210 215 220
 Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro
 225 230 235 240
 Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro
 245 250 255
 Lys Ser Lys Trp Arg Ser Lys Ile Leu Leu Gly Leu Asn Phe Tyr Gly
 260 265 270
 Met Asp Tyr Ala Thr Ser Lys Asp Ala Arg Glu Pro Val Val Gly Ala
 275 280 285
 Arg Tyr Ile Gln Thr Leu Lys Asp His Arg Pro Arg Met Val Trp Asp
 290 295 300
 Ser Gln Xaa Ser Glu His Phe Phe Glu Tyr Lys Lys Ser Arg Ser Gly
 305 310 315 320
 Arg His Val Val Phe Tyr Pro Thr Leu Lys Ser Leu Gln Val Arg Leu
 325 330 335
 Glu Leu Ala Arg Glu Leu Gly Val Gly Val Ser Ile Trp Glu Leu Gly
 340 345 350
 Gln Gly Leu Asp Tyr Phe Tyr Asp Leu Leu Xaa
 355 360

<210> 279

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals stop translation

<400> 279

Leu Pro Thr Lys Ile Leu Val Lys Pro Asp Arg Thr Phe Glu Ile Lys
 1 5 10 15

Ile Gly Gln Pro Thr Val Ser Tyr Phe Leu Lys Ala Ala Ala Gly Ile
 20 25 30

Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu Val Ala Gly Leu Val Thr
 35 40 45

Leu Lys His Val Tyr Glu Ile Ala Arg Ile Lys Ala Gln Asp Glu Ala
 50 55 60

Phe Ala Leu Gln Asp Val Pro Leu Ser Ser Val Val Arg Ser Ile Ile
 65 70 75 80

Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val Lys Asp Leu Ser Ser
 85 90 95

Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala Ile Phe Leu Ala Ala
 100 105 110

Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu Ala Ala Lys Lys Xaa
 115 120 125

<210> 280

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 280

Met Leu Leu Gln Ile His Pro Leu Leu Pro Ser Pro Thr Ile Pro His
 1 5 10 15

Ile Leu Leu Leu Phe Leu Tyr Pro Thr Phe Ser Ile Leu Glu His Ser
 20 25 30

Cys Ser Tyr Cys Ile Glu Tyr Leu Trp Val Cys Leu Leu Phe Cys Leu
 35 40 45

Ser Leu Trp Phe Leu Xaa
 50

<210> 281

<211> 29

<212> PRT

<213> Homo sapiens

<400> 281

Met Cys Leu Trp Cys Cys Gly Asp Val Cys Ser Gly Leu Ser Ser Leu
 1 5 10 15

Leu Ser Leu Cys Val Cys Cys Val Val Leu Ala Val Cys
 20 25

<210> 282

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 282

Glu Gly Leu Arg Leu Leu Leu Ser Leu Pro Ala Ala Leu Pro Arg Ser
 1 5 10 15

Cys Cys His Pro Arg Trp Leu Pro Val Xaa
 20 25

<210> 283

<211> 221

<212> PRT

<213> Homo sapiens

<400> 283

Met Phe His Gly Ile Pro Ala Thr Pro Gly Ile Gly Ala Pro Gly Asn
 1 5 10 15

Lys Pro Glu Leu Tyr Glu Glu Val Lys Leu Tyr Lys Asn Ala Arg Glu
 20 25 30

Arg Glu Lys Tyr Asp Asn Met Ala Glu Leu Phe Ala Val Val Lys Thr
 35 40 45

Met Gln Ala Leu Glu Lys Ala Tyr Ile Lys Asp Cys Val Ser Pro Ser
 50 55 60

Glu Tyr Thr Ala Ala Cys Ser Arg Leu Leu Val Gln Tyr Lys Ala Ala
 65 70 75 80

Phe Arg Gln Val Gln Gly Ser Glu Ile Ser Ser Ile Asp Glu Phe Cys
 85 90 95

Arg Lys Phe Arg Leu Asp Cys Pro Leu Ala Met Glu Arg Ile Lys Glu
 100 105 110

Asp Arg Pro Ile Thr Ile Lys Asp Asp Lys Gly Asn Leu Asn Arg Cys
 115 120 125

Ile Ala Asp Val Val Ser Leu Phe Ile Thr Val Met Asp Lys Leu Arg

130 135 140
 Leu Glu Ile Arg Ala Met Asp Glu Ile Gln Pro Asp Leu Arg Glu Leu
 145 150 155 160
 Met Glu Thr Met His Arg Met Ser His Leu Pro Pro Asp Phe Glu Gly
 165 170 175
 Arg Gln Thr Val Ser Gln Trp Leu Gln Thr Leu Ser Gly Met Ser Ala
 180 185 190
 Ser Asp Glu Leu Asp Asp Ser Gln Val Arg Gln Met Leu Phe Asp Leu
 195 200 205
 Glu Ser Ala Tyr Asn Ala Phe Asn Arg Phe Leu His Ala
 210 215 220

<210> 284
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 284
 Met Gly Asn Ser Gln Val Pro Gln Ser Ser Asp Phe Ser Ser Ile Leu
 1 5 10 15

Leu Thr Thr Ser Leu Gly Thr Tyr Ser Leu Leu Leu Gly Thr Ala Gly
 20 25 30

Ala Arg Thr Gly Ser Pro Met Ser
 35 40

<210> 285
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals stop translation

<400> 285
 Met Gln Ala Pro Phe Xaa His Phe Ser Phe Arg Met Phe Ser Asn Leu
 1 5 10 15

Tyr Cys Phe Ser Asp Phe Gln Pro Asn Ile Ser Pro Cys Pro Leu Cys
 20 25 30

His Cys Ile Leu Pro Xaa His His His Val Phe Leu Leu Leu Ala Val
 35 40 45

Xaa

<210> 286
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals stop translation

<400> 286
 Met Lys Leu Val Thr Met Phe Asp Lys Leu Ser Arg Asn Arg Val Ile
 1 5 10 15

Gln Pro Met Gly Met Ser Pro Arg Gly His Leu Thr Ser Leu Gln Asp
 20 25 30

Ala Met Cys Glu Thr Met Glu Gln Gln Leu Ser Ser Asp Pro Asp Ser
 35 40 45

Asp Pro Asp Xaa
 50

<210> 287
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 287
 Met Ala Val Gly Glu Ala Val Phe Val Pro Leu Gln His Pro Pro Leu
 1 5 10 15

Leu His Gly Ser Pro Ile Pro Lys Leu Leu Pro Gly Pro Leu Leu Xaa
 20 25 30

<210> 288
 <211> 57
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals stop translation

<400> 288

Met Asn Gly Cys His Arg Arg Lys Arg Leu His Leu Cys Lys Thr Ile
1 5 10 15

Tyr Leu Leu Trp Phe Val Phe Ser Phe Leu Leu Ser Asn Glu Val Val
20 25 30

Ser Ser His Trp His Ile Leu Arg Ala Val Gln Ile Ile Cys Thr Leu
35 40 45

Phe His Arg Xaa Ile Ser Ala Phe Xaa
50 55

<210> 289

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals stop translation

<400> 289

Met Gly Trp Val Ser Ser Pro His Val Lys Arg Arg Glu Cys Val Leu
1 5 10 15

Lys Lys Pro Phe Phe Xaa
20

<210> 290

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 290

Met Phe Asn Phe Phe Lys Asn Pro Leu Leu Thr Cys Leu Phe Ile Ser
1 5 10 15

Cys Tyr Leu Tyr Leu Ser Leu Leu Val Asn Lys Val Leu Phe Ala Glu
 20 25 30
 Glu Gly Leu Cys Cys Thr Tyr Cys Thr Thr Ser Asn Thr Gly Glu Gly
 35 40 45
 Gly Val Xaa
 50

<210> 291
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 291
 Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu Asp Gly
 1 5 10 15
 Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro
 20 25 30
 Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser
 35 40 45
 Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser Leu Ser
 50 55 60
 Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu Glu Cys
 65 70 75 80
 Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys Arg Cys
 85 90 95
 Asp Arg

<210> 292
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals stop translation

<400> 292
 Met Leu Cys Thr Ile Leu Thr Val Val Ile Ile Ile Ala Ala Gln Thr
 1 5 10 15
 Thr Arg Thr Thr Gly Ile Pro Lys Asn Ala Pro Gly Pro Ala Pro Leu

20 25 30

Cys Ala Pro Arg Ser Pro Arg Leu Phe Leu Gln Xaa Tyr Arg Gly Pro
 35 40 45

Asn Gly Arg Pro Ala His Pro Phe Leu Gly Pro Ser Asp Leu Asp Thr
 50 55 60

Ser Xaa
65

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<210> 293
<211> 257
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (187)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (229)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (232)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (235)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (236)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (237)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (257)
<223> Xaa equals stop translation
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<400> 293

Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro
 1 5 10 15
 Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala
 20 25 30
 Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 35 40 45
 Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 50 55 60
 Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His
 65 70 75 80
 His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile
 85 90 95
 Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 100 105 110
 Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 115 120 125
 His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 130 135 140
 Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 145 150 155 160
 Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
 165 170 175
 Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp Leu
 180 185 190
 Glu Ile Leu Lys Phe Leu Trp Leu Pro His Leu Pro Ser Leu Lys Asp
 195 200 205
 Pro Ser Leu Ser Ser Thr Arg Ile Gln Pro Leu Thr Thr Phe Phe Cys
 210 215 220
 Pro Leu Leu Pro Xaa Lys Gln Xaa Lys Gln Xaa Xaa Xaa Ser Leu Trp
 225 230 235 240
 Leu Leu Ser His Leu Phe Ala Trp Glu Pro Val Pro Asn Thr Gln Val
 245 250 255

Xaa

<210> 294

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals stop translation

<400> 294
 Met Ala Pro Arg Ala Leu Pro Gly Ser Ala Val Leu Ala Ala Val
 1 5 10 15
 Phe Val Gly Gly Ala Val Ser Ser Pro Leu Val Ala Pro Asp Asn Gly
 20 25 30
 Ser Ser Arg Thr Leu His Ser Arg Thr Glu Thr Thr Pro Ser Pro Ser
 35 40 45
 Asn Asp Thr Gly Asn Gly His Pro Glu Tyr Ile Ala Tyr Ala Leu Val
 50 55 60
 Pro Val Phe Phe Ile Met Gly Leu Phe Gly Val Leu Ile Xaa Pro Xaa
 65 70 75 80
 Xaa Xaa Lys Lys Lys Gly Tyr Arg Cys Thr Thr Glu Ala Glu Gln Asp
 85 90 95
 Ile Glu Glu Glu Lys Gly Xaa
 100

<210> 295
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals stop translation

<400> 295

Met Pro Val Thr Leu Ser Ser Leu Gly Phe Trp Val Leu Leu Ser Leu
 1 5 10 15

Leu Phe Pro Trp Arg Thr Asp Gln Gly Cys Gly Pro Ala Thr Cys Tyr
 20 25 30

Xaa

<210> 296

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals stop translation

<400> 296

Met Val Leu Gly Leu Leu Leu Leu Xaa Phe Phe Ser Phe Ser Ser
 1 5 10 15

Ser Pro Ser Pro Ser Ser Ser Leu Leu Leu Leu Ser Ser Phe Phe Phe
 20 25 30

Gln Ser Leu Ala Leu Ser Pro Arg Leu Glu Xaa
 35 40

<210> 297

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals stop translation

<400> 297

Glu Trp Leu Val Phe Thr Phe Leu Leu Val Phe Gly Ser Pro Leu Gly
 1 5 10 15

Lys Gly Pro Leu Xaa
 20

<210> 298

<211> 70

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

<400> 298
 Met Ile Arg Ala Leu Ser Leu Phe Leu Leu Ile Phe Asp Ala Ala Leu
 1 5 10 15
 Phe Ser Leu Ser Val Phe Val Phe Ile Gly His Leu Leu Pro Met Pro
 20 25 30
 Lys Gly Thr Gly Leu His Ser Cys Ala Lys His Leu Ile Lys Ser Leu
 35 40 45
 Lys Glu Asn Val Leu Pro Leu Met Asn Tyr Pro Asp Cys Lys Leu Lys
 50 55 60
 Ile Asn Ile Ser Pro Xaa
 65 70

<210> 299
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals stop translation

<400> 299
 Met Gly Lys Leu Ile Arg Leu Ser Val Met Val Met Ser Val Arg Arg
 1 5 10 15
 Leu Phe Ser Ile Tyr Trp Val Leu Ser Thr Val Pro Asp Ala Val Gly
 20 25 30
 Ser Arg Gly Gly Met Glu Glu Glu Cys Ser Arg Gly Leu Cys Cys Val
 35 40 45
 Ala Gly Gln His Lys Gln Ala Lys Gly Lys Arg Gln Ala Trp Asn Lys
 50 55 60
 Gly Gly Glu Tyr Gln Cys Val Thr Tyr Cys Xaa
 65 70 75

<210> 300
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)

<223> Xaa equals stop translation

<400> 300

Met Pro Ala Leu Val Thr Leu Leu Leu Leu Phe Pro Leu Leu Pro Leu
1 5 10 15

Met Glu Ala Ser Cys His Val Met Arg Cys Pro Met Glu Arg Pro Thr
20 25 30

Xaa

<210> 301

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 301

Glu Ala Pro Trp Gly Leu Leu Lys Leu Leu Leu Leu Leu Ala Val Phe
1 5 10 15

Xaa

<210> 302

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 302

Met Gln Gln Lys Gln Lys Lys Ala Asn Glu Lys Lys Glu Glu Pro Lys
1 5 10 15

Xaa

<210> 303

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 303

Met Gln Ser Pro Lys Phe Leu Ser Xaa Thr Pro Tyr Leu Phe Gln Thr
 1 5 10 15

Pro Phe His Leu Ile Ser Leu Pro Cys His Phe Phe Ile Phe Lys Met
 20 25 30

Pro Ile Val Tyr Val Leu Phe Lys Phe Phe Glu Arg Leu Lys Gln Pro
 35 40 45

Leu Ser Lys Ile Pro Phe Cys Leu Leu Ala Phe Lys Phe Ser Ile Arg
 50 55 60

Ala Phe Phe Leu Pro Leu Trp His Ala Ala Leu Trp Leu Ser Phe Val
 65 70 75 80

Phe Phe Ala Gly Phe Leu His Asp Val Val Val Val Ser Cys Leu Thr
 85 90 95

Leu Cys Gly Val Val Ser Cys Ser Phe Ser Ser Pro Arg Cys Leu
 100 105 110

<210> 304

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals stop translation

<400> 304

Met Ala Leu Leu Ile Ser Ser Leu Ile Trp Ser Xaa
 1 5 10

<210> 305

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 305

Met Gln Met Phe Thr Val Ser Leu Leu Leu Ser Leu Leu Leu Arg Ser
 1 5 10 15

Thr Asp Gln Asn His Leu Gln Leu Leu Val Gly Arg Glu Asp His Tyr
 20 25 30

Gly Gly Xaa
 35

<210> 306
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals stop translation

<400> 306
 Met Ser Glu Ser Ala Cys Ile Leu Asn Asn Gln Lys Glu Leu Xaa
 1 5 10 15

<210> 307
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 307
 Met Asp Leu Asp Arg Val Lys Ala Glu Ala Thr Glu Asp Ile Thr Ser
 1 5 10 15

Gly Val Leu Cys Leu Leu Phe Leu Arg Leu Pro Pro Asn Ser Cys Ile
 20 25 30

Phe Pro Ser Ala Val Leu Gly Ser Thr Arg Thr Xaa
 35 40

<210> 308
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 308
 Met Met Val Val Gly Thr Gly Thr Ser Leu Ala Leu Ser Ser Leu Leu
 1 5 10 15

Ser Leu Leu Leu Phe Ala Gly Met Gln Met Tyr Ser Arg Gln Leu Ala
 20 25 30

Ser Thr Glu Trp Leu Thr Ile Gln Gly Gly Leu Leu Gly Ser Gly Leu
 35 40 45

Phe Val Phe Ser Leu Thr Ala Phe Asn Asn Leu Glu Asn Leu Val Phe
 50 55 60

Gly Lys Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu
 65 70 75 80

Glu Pro Ser Glu Pro Cys Val Arg Tyr Leu Pro Arg Leu Tyr Leu Asp
50 55 60

Ile His Asn Tyr Cys Val Leu Asp Lys Leu Arg Asp Phe Val Ala Ser
 65 70 75 80

Pro Pro Cys Trp Lys Val Ala Gln Val Asp Ser Leu Lys Asp Lys Ala
 85 90 95

Arg Lys Leu Tyr Thr Ile Met Asn Ser Phe Cys Arg Arg Asp Leu Val
 100 105 110

Phe Leu Leu Asp Asp Cys Asn Ala Leu Glu Tyr Pro Ile Pro Val Thr
 115 120 125

Thr Val Leu Pro Asp Arg Gln Arg Xaa
 130 135

<210> 311

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 311

Met Trp Leu Leu Lys Pro Ser Ala His Ser Pro Val His Xaa Leu Val
 1 5 10 15

Leu Leu Phe Pro Arg Gly Trp Ser Gln Pro Gly Thr His Lys Arg Gln
 20 25 30

Ile Leu Val Asn Xaa Ala Ser Leu Pro Gly Gly Cys Leu Leu Pro Trp
 35 40 45

Ile Trp Ser Gly Ala Ala Leu Arg Phe Xaa
 50 55

<210> 312

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 312

Met Ser Arg Arg Ala Glu Ala Ser Ile Phe Val Leu Pro Lys Thr Leu
1 5 10 15

Leu Phe Val Leu Phe Pro Ala Phe Pro Ser Pro Ala Val Gly Cys Pro
20 25 30

Val Pro Xaa
35

<210> 313

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 313

Met Ala Leu Glu Met Val Trp Gly Ser Val Tyr His Cys Ser Cys Tyr
1 5 10 15

Ile Thr Pro Trp Ser Lys Ile Gln Ser Phe Ser Leu Ser Leu Phe Gln
20 25 30

Phe Ile Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp
35 40 45

Tyr Glu Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu Asn Gly Gln
50 55 60

Phe Leu Met Met His Arg Val Asn Thr Ser Lys Leu Glu Lys Gln Leu
65 70 75 80

Leu Lys Leu Glu Gln Gln Ser Thr Gly Xaa
85 90

<210> 314

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals stop translation

<400> 314

Met Phe Val Leu Phe Ser Leu Pro Lys Tyr Ala Gly Leu Arg Leu Pro
1 5 10 15

Ile Pro Gly Leu Ser Ala Leu Leu Val Phe Leu Leu Ser Leu Phe Ser

20 25 30
 Arg Arg Ala Gln Val Glu Leu Thr Thr Gly Arg Glu Thr Leu Pro Lys
 35 40 45
 Asn Leu Gln Gly Tyr Phe Pro Glu Phe Gly Phe Gln Val Gln Asn Phe
 50 55 60
 Leu Ser Cys Lys Ile Tyr Ala Ala Ser Gln Lys Gln Pro Leu Pro Pro
 65 70 75 80
 Leu Tyr Gln Leu Arg Phe Tyr Leu Lys His Met Gly Leu Pro Xaa
 85 90 95

<210> 315

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals stop translation

<400> 315

Met Ser Ser His Trp Thr Leu Lys Ile Leu Leu Val Pro Leu Phe Tyr
 1 5 10 15

Leu Ser Leu Glu Phe Pro Ser Gly Phe Val Leu Cys Leu Ala Asn Asp
 20 25 30

Leu Gly Tyr His Phe Ser Ser Arg Val Arg Ser Xaa
 35 40

<210> 316

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 316

Met Leu Val Val Asn Ile Asn Leu Val Phe Leu Leu Phe Phe Ile Phe
 1 5 10 15

Leu Cys Tyr Leu Asp Ala Cys Ile Asn Val Phe Cys Phe Tyr Xaa
 20 25 30

<210> 317

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals stop translation

<400> 317

Met Pro Val Leu Pro Gly Arg Thr Thr Ala Leu Leu Ser Leu Thr Leu
 1 5 10 15

Ala Phe Ala Val Pro Cys Ser Gly Val Glu Ala Gly Pro Cys Val Pro
 20 25 30

Arg Ser His Gly Cys Ser Ser Trp Glu Ala Ser Val Cys Val Thr Ser
 35 40 45

Ser Thr Pro Gly Gly Ser Trp Arg Ala Arg Ala Leu Phe Pro Ser Ala
 50 55 60

Ala Trp His Arg Xaa Ala Ala Trp Asp Ser Pro Trp Thr Gln Thr Gly
 65 70 75 80

Asp Phe Ala Arg Gly Ala Met Gly Gly Ala Gly Ala Leu Pro Gly Gly
 85 90 95

Cys Val Cys Ile Ser Gly Arg Pro Arg Ala Gln Lys Leu Pro Ala Leu
 100 105 110

Xaa

<210> 318

<211> 235

<212> PRT

<213> Homo sapiens

<400> 318

Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
 1 5 10 15

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
 20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
 35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
 50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
 65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
100 105 110

Asn Tyr Val Gly Pro Pro Gly Gly Gly Gly Pro Pro Gly Thr Pro Ile
115 120 125

Met Pro Ser Pro Ala Asp Ser Thr Asn Ser Gly Asp Asn Met Tyr Thr
130 135 140

Leu Met Asn Ala Val Pro Pro Gly Pro Asn Arg Pro Asn Phe Pro Met
145 150 155 160

Gly Pro Gly Ser Asp Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser
165 170 175

His His Met Asn Gly Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser
180 185 190

Lys Asn Ser Pro Asn Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro
195 200 205

Arg Asp Asp Gly Glu Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser
210 215 220

Glu Ser Tyr Ser Pro Ser Met Thr Met Ser Val
225 230 235

<210> 319

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 319

Met Glu Asn Phe Phe Phe Ser Phe Tyr Leu Phe Leu Ile Thr Leu Ile
1 5 10 15

Pro Asn Gly Arg Thr Leu Ser Thr Thr Ala Asp His Cys Lys Ile Pro
20 25 30

Cys Ile Xaa
35

<210> 320

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 320

Met Glu Leu Trp Glu Leu Ala Leu Cys Leu Leu Val Ala Leu Ser Ala
 1 5 10 15

His Met Phe Thr Val Gln Leu Leu Ala Asp Leu Gly Phe Leu Phe Gly
 20 25 30

Gly Phe Xaa
 35

<210> 321
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals stop translation

<400> 321

Met Gly Ala Gly Ile Leu Ala Leu Leu Leu Pro Leu Glu Ser Val Leu
 1 5 10 15

Thr Cys Ser Trp Ile Ser Val Ser Thr Ser Glu Arg Gln Leu Trp Gln
 20 25 30

Ser Ser Gln Lys Ala Thr Ile Leu Ser Leu Lys Leu Asp Ser Cys Phe
 35 40 45

Cys Gly His Ser Gly Leu Lys Gly Lys Asn Glu Asp Thr Asp Ser Ser
 50 55 60

Val Pro Ile Ile Pro Ser Lys Thr His Thr His Leu Gly Lys His Leu
 65 70 75 80

Ile Xaa

<210> 322
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 322

Met Phe Tyr Phe Val Leu Phe Ile Tyr Ser Ser Ser Glu Thr Trp Ser
1 5 10 15

Gly Ser Val Ala Gln Asp Gly Val His Gly Val Ile Ile Gly His Cys
20 25 30

Ser Val Glu Leu Pro Gly Ser Gly Asp Pro Pro Ala Ser Ala Xaa Leu
35 40 45

Val Ala Gly Thr Ile Gly Thr Cys Pro Thr Met Pro Gly Phe Val Tyr
50 55 60

Phe Leu Asn Asp Val Xaa Asn Xaa
65 70

<210> 323

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 323

Met Asp Ser Thr Leu Arg Gln Gly Arg Xaa Leu Leu Thr Leu Val Pro
1 5 10 15

Ala Ser Leu Phe Ser Leu Thr Leu Gly Gly Pro Gly Pro Trp Lys Asp
20 25 30

Pro Xaa

<210> 324

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 324

Met	Gln	Val	Val	Gly	Ser	Trp	Pro	Gly	Arg	Val	Gly	Val	Val	Gly	Leu
1				5				10						15	
Ala	Phe	Ser	Leu	Val	Ile	Pro	Pro	Pro	Ala	Ile	Cys	Ile	Ala	Gly	Pro
			20					25						30	
Ala	Pro	Gly	Leu	Gly	Gly	Gly	Glu	Arg	Gln	Gln	Lys	Gly	Leu	Gly	Arg
		35					40					45			
Gly	Gly	Gly	Gly	Leu	Arg	Asn	Cys	Pro	Gly	Arg	Val	Gly	Met	Ala	Ala
		50				55					60				
Glu	Pro	Gly	Ala	Leu	Leu	Cys	Leu	Thr	Ser	Arg	Asp	Gly	Ser	Leu	Leu
		65			70					75					80
Leu	Ser	Cys	Val	Arg	Pro	His	His	Val	Ile	Lys	Pro	Lys	Gly	Thr	Ala
				85					90						95
Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Xaa	Xaa
			100					105						110	
Gly	Gly	Xaa													
			115												

<210> 325

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 325

Met Asp Leu Pro Gln Phe Ile Tyr Leu Phe Ile Phe Cys Phe Cys Cys
 1 5 10 15

Leu Ala Ile Val Asn Asn Ala Ser Ile Asn Ile His Ile Gln Val Ser
 20 25 30

Met Trp Leu Tyr Val Phe Ile Ser Leu Gly Tyr Leu His Gly Ser Arg
 35 40 45

Ile Leu Gly His Asn Ile Ile Leu Cys Leu Thr Ser Gln Arg Ile Ala
 50 55 60

Lys Arg Phe Phe Ile Val Ala Ala Ser Phe Thr Phe Pro Pro Ala Met
 65 70 75 80

Tyr Lys Asp Phe Tyr Phe Ser Ile Ser Leu His Leu Pro Thr Leu Leu
 85 90 95

Phe Xaa Xaa Xaa Phe Val Phe Ser Leu Leu Pro Pro
 100 105

<210> 326

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals stop translation

<400> 326

Met Cys Ser Pro Ser Leu Ser Ser Ser Pro Pro Pro Leu Leu Gln Val
 1 5 10 15

Phe Phe Phe Phe Phe Ser Pro His Trp Ala Ala Lys Val Val Pro
 20 25 30

Gln Trp Lys Xaa Arg His Pro Gln Val Ser Ser Gln Leu Leu Leu Cys
 35 40 45

Phe Leu Arg Val Asn Cys Gln Phe Leu Phe Leu Gln Glu Ile Leu Phe
 50 55 60

Xaa

65

<210> 327

<211> 49

<212> PRT

<213> Homo sapiens

<400> 327

Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe
1 5 10 15

Ala Phe Phe Ser Ile Thr Ser Glu Asn Glu Thr Phe Tyr Met Ile Ile
20 25 30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe
35 40 45

Leu

<210> 328

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 328

Met Glu Arg Pro Asp Trp Glu Thr Ala Ile Gln Lys Pro Leu Cys Ser
1 5 10 15

Leu Pro Ala Gly Ser Gly Asn Ala Leu Ala Ala Ser Leu Asn His Tyr
20 25 30

Ala Gly Tyr Xaa Gln Val Thr Asn Glu Asp Leu Leu Thr Asn Cys Thr
35 40 45

Leu Leu Leu Cys Arg Arg Leu Leu Ser Pro Met Asn Leu Leu Ser Leu
50 55 60

His Thr Ala Ser Gly Leu Arg Leu Phe Ser Val Leu Ser Leu Ala Trp
65 70 75 80

Gly Phe Ile Ala Asp Val Asp Leu Glu Ser Glu Lys Tyr Arg Arg Leu
85 90 95

Gly Glu Met Arg Phe Thr Leu Gly Thr Phe Leu Arg Leu Ala Ala Leu
100 105 110

Arg Thr Tyr Arg Gly Arg Leu Ala Tyr Leu Pro Val Gly Arg Val Gly
115 120 125

Ser Lys Thr Pro Ala Ser Pro Val Val Val Gln Gln Gly Pro Val Asp
130 135 140

Ala His Leu Val Pro Leu Glu Glu Pro Val Pro Ser His Trp Thr Val
145 150 155 160

Val Pro Asp Glu Asp Phe Val Leu Val Leu Ala Leu Leu His Ser His

165

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175

Leu Gly Ser Glu Met Phe Ala Ala Pro Met Gly Arg Cys Ala Ala Gly
 180 185 190

Val Met His Leu Phe Tyr Val Arg Ala Gly Val Ser Arg Ala Met Leu
 195 200 205

Leu Arg Leu Phe Leu Ala Met Glu Lys Gly Arg His Met Glu Tyr Glu
 210 215 220

Cys Pro Tyr Leu Val Tyr Val Pro Val Val Ala Phe Arg Leu Glu Pro
 225 230 235 240

Lys Asp Gly Lys Gly Val Phe Ala Val Asp Gly Glu Leu Met Val Ser
 245 250 255

Glu Ala Val Gln Gly Gln Val His Pro Asn Tyr Phe Trp Met Val Ser
 260 265 270

Gly Cys Val Glu Pro Pro Pro Ser Trp Lys Pro Gln Gln Met Pro Pro
 275 280 285

Pro Glu Glu Pro Leu
 290

<210> 329

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals stop translation

<400> 329

Met Pro Leu Glu Gly Phe Cys Leu Val Leu Asp Ile Gly Phe Leu Leu
 1 5 10 15

Val Met Leu Ile Ser Leu Ala Ser Glu Cys Phe Thr Thr Cys Leu Asp
 20 25 30

Ser Phe Ser Thr Thr Glu Pro Gly Cys Lys Phe Tyr Lys Leu Leu His
 35 40 45

Ser Val Ser Leu Leu Asn Ile Asn Phe Asn Val Lys Ser Leu Leu Cys
 50 55 60

Ser His Ile Xaa
 65

<210> 330

<211> 105

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals stop translation

<400> 330
 Met Pro Leu Gln Leu Ser Gly Gln Tyr Trp Ile Ser Leu Leu Val Phe
 1 5 10 15
 Leu Ser Leu Gln Pro Phe Pro Gln Ala Ala Ile Pro Cys Ala Leu Thr
 20 25 30
 Asp Val Gly Gly Ser Cys Val Ile Cys His Ile Leu Leu Asn Cys Leu
 35 40 45
 Cys Ile Leu Phe Thr Leu Thr Ala Pro Ser Leu Ser His Val Leu Leu
 50 55 60
 Ile Lys Met Ser Leu Ser Val Cys Tyr Glu Pro Gly Ala Asp Leu Ser
 65 70 75 80
 Asp Arg Ala Ala Thr Gly Asn Lys Lys Leu Thr Arg Ser Thr Cys Leu
 85 90 95
 Leu Met His Ser Asn Lys Leu Cys Xaa
 100 105

<210> 331
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 331
 Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu
 1 5 10 15
 Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Gly Leu Phe Gly Leu Ile
 20 25 30
 Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Pro Leu Ser Pro
 35 40 45
 Thr Thr Leu Met Cys Gln Ser Pro Leu Leu
 50 55

<210> 332
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals stop translation

<400> 332
 Met Leu Asn Val Leu Ser Lys Val Gln Gln Leu Val Ser Xaa Leu Gly
 1 5 10 15
 Leu Val Thr Phe Leu Leu Asn His Ser Ala Ala Gly Gly Ser Pro Gln
 20 25 30
 His Arg Trp Leu Leu Leu Xaa
 35

<210> 333
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals stop translation

<400> 333
 Met Lys Ala Ile Ala Arg Ala Cys Leu Leu Leu Ser Leu Leu Val Leu
 1 5 10 15
 Pro His Val Val Ser Glu His Leu Phe Trp His His Asn Pro Arg His
 20 25 30
 Pro Val Ile Trp Pro Phe Pro Pro Phe His Leu Ile Ser Cys Ser Val
 35 40 45
 Ser Ala Ser Thr Trp His Leu Gly Glu Xaa Leu Leu Leu Leu Val Pro
 50 55 60
 Ile Ala Pro Ser Val Trp Ser Xaa
 65 70

<210> 334
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 334

Met Glu Gln Gly Gly Gly Pro Arg Leu Leu Leu Ile Pro Gly Leu
 1 5 10 15

Leu His Asn Thr Tyr Leu Ala Arg Pro Gly Asp Phe Pro Ala Gln Gly
 20 25 30

Thr Thr Glu Asn Thr Glu Cys Gln Gly Ser Pro Ser Pro Ile Ser His
 35 40 45

Leu Gly Lys Val Arg Ser Leu Asp Ser Asn Thr Gln Ile Xaa
 50 55 60

<210> 335

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (286)

<223> Xaa equals stop translation

<400> 335

Met Pro Leu Leu Phe Phe Ser Val Ser Thr Leu Phe Ser Gly Ser Val
 1 5 10 15

Thr Leu Gln Gln Arg Gly Met Phe Leu Pro Trp Thr Gly Thr Gly Glu
 20 25 30

Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu Met
 35 40 45

Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly Leu
 50 55 60

Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser Ser
 65 70 75 80

Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met Gln
 85 90 95

Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg Val
 100 105 110

Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile Asn
 115 120 125

Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp Asp
 130 135 140

Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr Gln
 145 150 155 160

Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val Ala
 165 170 175

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Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu Arg
 180 185 190

Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe Gly
 195 200 205

Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met Arg
 210 215 220

Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser Ile Ile Gln Gly Ala Leu
 225 230 235 240

Thr Gln Leu Ile Gln Leu Tyr His Arg Phe His Arg Val Leu Ser Gln
 245 250 255

Pro Gln Leu Arg Ala Leu Pro Ala Arg Ala Glu Leu Ile Asn Ile His
 260 265 270

His Leu Met Val Glu Leu Lys Lys His Lys Pro Asn Phe Xaa
 275 280 285

<210> 336

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals stop translation

<400> 336

Met Phe Arg Ala Leu Arg Asp Leu Leu Thr His Tyr Pro Gln Gln Ile
 1 5 10 15

Leu Leu Gln Val Leu Val Val Met Tyr Gln Val Leu Gln Val Trp Glu
 20 25 30

Leu Pro Trp Pro Glu Leu Ile His Leu Gln Gly Ile Val Pro Thr Asp
 35 40 45

Gln Leu His Leu Lys Gln Xaa
 50 55

<210> 337

<211> 59

<212> PRT

<213> Homo sapiens

<400> 337

Met Ser Tyr Pro Leu Phe Leu Phe Met Ser Cys Met Val Ile Ser Leu
 1 5 10 15

Ser Pro Asn Ala Gly Ser Gln Thr Ser Thr Val Arg Cys Leu Ser Asp
 20 25 30

Leu Val Thr Phe Thr Leu Ile Lys Gly Ser Pro Val His Gln Thr Pro
 35 40 45

Tyr Leu Glu Ser Ser Ile Asn Cys Ile Thr Phe
 50 55

<210> 338

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals stop translation

<400> 338

Met His Pro Ala Arg Lys Leu Leu Ser Leu Leu Phe Leu Ile Leu Met
 1 5 10 15

Gly Thr Glu Leu Thr Gln Asp Ser Ala Ala Pro Asp Ser Leu Leu Arg
 20 25 30

Ser Ser Lys Gly Ser Thr Arg Gly Ser Leu Ala Ala Ile Val Ile Trp
 35 40 45

Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys Thr Pro Gly Ile Phe Arg
 50 55 60

Gly Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu Trp Leu
 65 70 75 80

Ile Leu Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly
 85 90 95

Gly Gly Asp Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly
 100 105 110

Gln Leu Cys Ala Leu Leu Ala Xaa
 115 120

<210> 339

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 339

Met Pro Ser Phe Phe Leu Ser Leu Ile Gln Thr Asn Thr Leu Gly Ser
 1 5 10 15

Ala Ser Phe Leu Leu Phe Leu Thr Leu His Ile His Leu Ser Pro Asn

20

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Xaa Val His Ser Ala Ser
35

<210> 340
<211> 46
<212> PRT
<213> Homo sapiens

<400> 340
Met Phe Ser Arg Thr Ser Asn Phe Trp Thr Phe Phe Phe Gln Phe Leu
1 5 10 15

Ile Phe Lys Val Phe Leu Val Leu Lys Asn Leu Phe Thr Ser Gln Lys
20 25 30

Ile Tyr Lys Ile Tyr Ser Glu Lys Pro Lys Lys Lys Lys Lys
35 40 45

<210> 341
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals stop translation

<400> 341
Met Gly Leu Leu Ile Phe Met Leu Leu Ile Gly Ile His Ser Gln Cys
1 5 10 15

Ser Xaa

<210> 342
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (87)
<223> Xaa equals stop translation

<400> 342
Met Val Leu Phe Cys Phe Val Leu Phe Cys Phe Val Phe Glu Met Asp
1 5 10 15

Ser Ser Ser Val Thr Gln Ala Gly Val Gln Trp Cys Asp Leu Gly Ser
20 25 30

Leu Gln Ala Pro Pro Pro Gly Phe Ser Pro Phe Ser Cys Leu Ser Leu

35

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45

Pro Ser Ser Trp Asp Tyr Arg Arg Pro Pro Pro Arg Pro Ala Asn Phe
 50 55 60

Leu Tyr Phe Leu Val Glu Thr Gly Phe His His Val Ser Gln Asp Gly
 65 70 75 80

Leu Asp Leu Leu Thr Ser Xaa
 85

<210> 343

<211> 538

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (538)

<223> Xaa equals stop translation

<400> 343

Met Ser Thr Lys Lys Leu Cys Ile Val Gly Gly Ile Leu Leu Val Phe
 1 5 10 15

Gln Ile Ile Ala Phe Leu Val Gly Gly Leu Ile Ala Pro Gly Pro Thr
 20 25 30

Thr Ala Val Ser Tyr Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn
 35 40 45

His His Lys Thr Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp
 50 55 60

Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn
 65 70 75 80

Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser
 85 90 95

Pro Trp Phe Gln Phe Met Leu Phe Ile Leu Gln Leu Asp Ile Ala Phe
 100 105 110

Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val
 115 120 125

Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala
 130 135 140

His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys
 145 150 155 160

Thr Pro Glu His Glu Gly Arg Tyr Tyr Glu Cys Asp Val Leu Pro Phe
 165 170 175

Met Glu Ile Gly Ser Val Ala His Lys Phe Tyr Leu Leu Asn Ile Arg
 180 185 190

Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu Ile
 195 200 205
 Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr Lys
 210 215 220
 Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile Ile
 225 230 235 240
 Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro Val
 245 250 255
 Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe Ile
 260 265 270
 Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp Met
 275 280 285
 Leu Leu Phe Gly Asp Ile Arg Gln Gly Ile Phe Tyr Ala Met Leu Leu
 290 295 300
 Ser Phe Trp Ile Ile Phe Cys Gly Glu His Met Met Asp Gln His Glu
 305 310 315 320
 Arg Asn His Ile Ala Gly Tyr Trp Lys Gln Val Gly Pro Ile Ala Val
 325 330 335
 Gly Ser Phe Cys Leu Phe Ile Phe Asp Met Cys Glu Arg Gly Val Gln
 340 345 350
 Leu Thr Asn Pro Phe Tyr Ser Ile Trp Thr Thr Asp Ile Gly Thr Glu
 355 360 365
 Leu Ala Met Ala Phe Ile Ile Val Ala Gly Ile Cys Leu Cys Leu Tyr
 370 375 380
 Phe Leu Phe Leu Cys Phe Met Val Phe Gln Val Phe Arg Asn Ile Ser
 385 390 395 400
 Gly Lys Gln Ser Ser Leu Pro Ala Met Ser Lys Val Arg Arg Leu His
 405 410 415
 Tyr Glu Gly Leu Ile Phe Arg Phe Lys Phe Leu Met Leu Ile Thr Leu
 420 425 430
 Ala Cys Ala Ala Met Thr Val Ile Phe Phe Ile Val Ser Gln Val Thr
 435 440 445
 Glu Gly His Trp Lys Trp Gly Gly Val Thr Val Gln Val Asn Ser Ala
 450 455 460
 Phe Phe Thr Gly Ile Tyr Gly Met Trp Asn Leu Tyr Val Phe Ala Leu
 465 470 475 480
 Met Phe Leu Tyr Ala Pro Ser His Lys Asn Tyr Gly Glu Asp Gln Ser
 485 490 495

Asn Gly Met Gln Leu Pro Cys Lys Ser Arg Glu Asp Cys Ala Leu Phe
500 505 510

Val Ser Glu Leu Tyr Gln Glu Leu Phe Ser Ala Ser Lys Tyr Ser Phe
515 520 525

Ile Asn Asp Asn Ala Ala Ser Gly Ile Xaa
530 535

<210> 344

<211> 202

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (202)

<223> Xaa equals stop translation

<400> 344

Met Gly Ile Ala Leu Ala Val Leu Gly Trp Leu Ala Val Met Leu Cys
1 5 10 15

Cys Ala Leu Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile
20 25 30

Val Thr Ser Gln Thr Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val
35 40 45

Gln Ser Thr Gly Gln Met Gln Cys Lys Val Tyr Asp Ser Leu Leu Ala
50 55 60

Leu Pro Gln Asp Leu Gln Ala Ala Arg Ala Leu Val Ile Ile Ser Ile
65 70 75 80

Ile Val Ala Ala Leu Gly Val Leu Leu Ser Val Val Gly Gly Lys Cys
85 90 95

Thr Asn Cys Leu Glu Asp Glu Ser Ala Lys Ala Lys Thr Met Ile Val
100 105 110

Ala Gly Val Val Phe Leu Leu Ala Gly Leu Met Val Ile Val Pro Val
115 120 125

Ser Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val
130 135 140

Ala Ser Gly Gln Lys Arg Glu Met Gly Ala Ser Leu Tyr Val Gly Trp
145 150 155 160

Ala Ala Ser Gly Leu Leu Leu Leu Gly Gly Gly Leu Leu Cys Cys Asn
165 170 175

Cys Pro Pro Arg Thr Asp Lys Pro Tyr Ser Ala Lys Tyr Ser Ala Ala
180 185 190

Arg Ser Ala Ala Ala Ser Asn Tyr Val Xaa

195

200

<210> 345
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 345
 Met Val Ser Ile Ser Val Val Leu Arg Val Ser Leu Pro Thr Leu Glu
 1 5 10 15
 Pro Val Pro Val Ala Gly Arg Ser Ile Trp Ile Ser Thr Thr Ser Pro
 20 25 30
 Ser Met Ile Ser Val Ser Ser Leu Met Arg Thr Pro Met Asp Arg Arg
 35 40 45
 Lys Ala Cys Val Ser Ala Ser Val Leu Leu Ile Ser Arg Glu Lys Ile
 50 55 60
 Ser Leu Pro Ala Met Ala Val Asn Gly Val Ser Gly Pro Arg Ala Cys
 65 70 75 80
 Ala Met Pro Met Ala Met Ala Val Phe Pro Val Pro Gly Trp Pro Ala
 85 90 95
 Ile Arg Thr Ala Arg Pro Ala Ile Phe Pro Ser Arg Ile Ile Ser Ser
 100 105 110
 Thr Thr Pro Ala Ala Arg Arg Ala Ala Ser
 115 120

<210> 346
 <211> 260
 <212> PRT
 <213> Homo sapiens

<400> 346
 Met Leu Ala Leu Leu Gly Leu Ser Gln Ala Leu Asn Ile Leu Leu Gly
 1 5 10 15
 Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys Glu Lys Gly
 20 25 30
 Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr
 35 40 45
 Leu Arg Leu Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg Thr Tyr Asn
 50 55 60
 Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln Arg Leu Tyr
 65 70 75 80
 Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala
 85 90 95

Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp
 100 105 110
 Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn Ser Ile Tyr Glu Leu
 115 120 125
 Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val Leu Glu Tyr Ala Thr
 130 135 140
 Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr Ser Gln Ala Gly Phe
 145 150 155 160
 Ser Gly Glu Asp Arg Leu Glu Gln Ala Lys Leu Phe Cys Arg Thr Leu
 165 170 175
 Glu Asp Ile Leu Ala Asp Ala Pro Glu Ser Gln Asn Asn Cys Arg Leu
 180 185 190
 Ile Ala Tyr Gln Glu Pro Ala Asp Asp Ser Ser Phe Ser Leu Ser Gln
 195 200 205
 Glu Val Leu Arg His Leu Arg Gln Glu Glu Lys Glu Glu Val Thr Val
 210 215 220
 Gly Ser Leu Lys Thr Ser Ala Val Pro Ser Thr Ser Thr Met Ser Gln
 225 230 235 240
 Glu Pro Glu Leu Leu Ile Ser Gly Met Glu Lys Pro Leu Pro Leu Arg
 245 250 255
 Thr Asp Phe Ser
 260

<210> 347
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals stop translation

<400> 347
 Met Thr Pro Gln Lys Pro Ala Leu Ala Val Leu Leu Leu Glu Val Pro
 1 5 10 15
 Leu Leu Leu Thr Leu Ser Val Leu Lys Lys Arg Cys Leu Val Thr Cys
 20 25 30
 Glu Pro Thr Ser Arg Phe Val Ser Cys Asp Leu Pro Leu Ser Val Xaa
 35 40 45

<210> 348
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (288)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (334)
 <223> Xaa equals stop translation

<400> 348
 Met Ala Ala Ala Ala Trp Leu Gln Val Leu Pro Val Ile Leu Leu Leu
 1 5 10 15
 Leu Gly Ala His Pro Ser Pro Leu Ser Phe Phe Ser Ala Gly Pro Ala
 20 25 30
 Thr Val Ala Ala Ala Asp Arg Ser Lys Trp His Ile Pro Ile Pro Ser
 35 40 45
 Gly Lys Asn Tyr Phe Ser Phe Gly Lys Ile Leu Phe Arg Asn Thr Thr
 50 55 60
 Ile Phe Leu Lys Phe Asp Gly Glu Pro Cys Asp Leu Ser Leu Asn Ile
 65 70 75 80
 Thr Trp Tyr Leu Lys Ser Ala Asp Cys Tyr Asn Glu Ile Tyr Asn Phe
 85 90 95
 Lys Ala Glu Glu Val Glu Leu Tyr Leu Glu Lys Leu Lys Glu Lys Arg
 100 105 110
 Gly Leu Ser Gly Lys Tyr Gln Thr Ser Ser Lys Leu Phe Gln Asn Cys
 115 120 125
 Ser Glu Leu Phe Lys Thr Gln Thr Phe Ser Gly Asp Phe Met His Arg
 130 135 140
 Leu Pro Leu Leu Gly Glu Lys Gln Glu Ala Lys Glu Asn Gly Thr Asn
 145 150 155 160
 Leu Thr Phe Ile Gly Asp Lys Thr Ala Met His Glu Pro Leu Gln Thr
 165 170 175
 Trp Gln Asp Ala Pro Tyr Ile Phe Ile Val His Ile Gly Ile Ser Ser
 180 185 190
 Ser Lys Glu Ser Ser Lys Glu Asn Ser Leu Ser Asn Leu Phe Thr Met
 195 200 205
 Thr Val Glu Val Lys Gly Pro Tyr Glu Tyr Leu Thr Leu Glu Asp Tyr
 210 215 220

Pro Leu Met Ile Phe Phe Met Val Met Cys Ile Val Tyr Val Leu Phe
 225 230 235 240

Gly Val Leu Trp Leu Ala Trp Ser Ala Cys Tyr Trp Arg Asp Leu Leu
 245 250 255

Arg Ile Gln Phe Trp Ile Gly Ala Val Ile Phe Leu Gly Met Leu Glu
 260 265 270

Lys Ala Val Phe Tyr Ala Glu Phe Gln Asn Ile Arg Tyr Lys Gly Xaa
 275 280 285

Ser Val Gln Gly Ala Leu Ile Leu Ala Glu Leu Leu Ser Ala Val Lys
 290 295 300

Arg Ser Leu Ala Arg Thr Leu Val Ile Ile Val Ser Leu Gly Tyr Gly
 305 310 315 320

Ile Val Lys Pro Arg Leu Glu Ser Leu Phe Ile Arg Leu Xaa
 325 330

<210> 349

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals stop translation

<400> 349

Met Val Leu Xaa Val Val Thr Leu Gly Leu Ala Leu Phe Thr Leu Cys
 1 5 10 15

Gly Lys Phe Lys Arg Trp Lys Leu Asn Gly Ala Phe Leu Leu Ile Thr
 20 25 30

Ala Phe Leu Ser Val Leu Ile Trp Val Ala Trp Met Thr Met Tyr Leu
 35 40 45

Phe Gly Asn Val Lys Leu Gln Gln Gly Asp Ala Trp Asn Asp Pro Thr
 50 55 60

Leu Ala Ile Thr Leu Ala Ala Ser Ala Gly Ser Ser Ser Ser Ser Thr
 65 70 75 80

Pro Ser Leu Arg Ser Thr Ala Pro Phe Cys Gln Pro Cys Arg Arg Thr
 85 90 95
 Arg Pro Thr Thr Ser Thr Arg Arg Ser Pro Gly Cys Gly Arg Arg Pro
 100 105 110
 Ser Arg Arg Thr Cys Ser Cys Arg Gly Pro Ile Trp Arg Thr Arg Pro
 115 120 125
 Ser Pro Trp Met Asn Thr Met Gln Leu Ser Glu Gln Gln Asp Phe Pro
 130 135 140
 Thr Ala Ala Trp Glu Lys Asp Pro Val Ala Ala Trp Gly Lys Asp Pro
 145 150 155 160
 Ala Leu Arg Leu Glu Ala Thr Cys Ile Ser Gln Leu Arg Trp Pro Ser
 165 170 175
 Cys Ser Thr Val Gly Pro Ser Gln Leu Leu Arg Gln Val Thr Gln Glu
 180 185 190
 Xaa Thr Phe Gly Glu Arg Leu Xaa
 195 200

<210> 350
 <211> 24
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (24)
 <223> Xaa equals stop translation

<400> 350
 Met Leu Leu His His Gln Leu Leu Ile Val Thr Leu His Leu Val Leu
 1 5 10 15
 Leu Leu Ala Thr Leu Leu Val Xaa
 20

<210> 351
 <211> 143
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (85)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals stop translation

<400> 351

Met Thr Lys Ala Leu Leu Ile Tyr Leu Val Ser Ser Phe Leu Ala Leu
 1 5 10 15

Asn Gln Ala Ser Leu Ile Ser Arg Cys Asp Leu Ala Gln Val Leu Gln
 20 25 30

Leu Glu Asp Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu
 35 40 45

Cys Leu Ala Phe Val Glu Ser Lys Phe Asn Ile Ser Lys Ile Asn Glu
 50 55 60

Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn Ser His
 65 70 75 80

Tyr Trp Cys Asn Xaa Tyr Lys Ser Tyr Ser Glu Asn Leu Cys His Val
 85 90 95

Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu Ala Gly Ile His Cys
 100 105 110

Ala Lys Arg Ile Val Ser Gly Ala Arg Gly Met Asn Asn Trp Val Arg
 115 120 125

Met Glu Xaa Cys Thr Val Gln Ala Gly His Ser Ser Thr Gly Xaa
 130 135 140

<210> 352
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals stop translation

<400> 352

Met Leu Val Ile Ala Gly Gly Ile Leu Ala Ala Leu Leu Leu Ile
 1 5 10 15

Val Val Val Leu Cys Leu Tyr Phe Lys Ile His Asn Ala Leu Lys Ala
 20 25 30

Ala Lys Glu Pro Glu Ala Val Ala Val Lys Asn His Asn Pro Asp Lys
 35 40 45

Val Trp Trp Ala Lys Asn Ser Gln Ala Lys Thr Ile Ala Thr Glu Ser
 50 55 60

Cys Pro Ala Leu Gln Cys Cys Glu Gly Tyr Arg Met Cys Ala Ser Phe

65	70	75	80
Asp Ser Leu Pro Pro Cys Cys Cys Asp Ile Asn Glu Gly Leu Xaa			
85	90	95	

<210> 353
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 353
Met Leu Leu Lys Ser Asn Ile Leu Met Leu Asn Leu Phe Ala Ala Asn
1 5 10 15

Val Gly Ala Asn Phe Ala Leu Thr Val Glu Lys Ile Gly Met Ile Leu
20 25 30

Leu Asn Val Ser Gly Xaa
35

<210> 354
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals stop translation

<400> 354
Met Leu Val Val Ala Phe Gly Leu Leu Val Leu Tyr Ile Leu Leu Ala
1 5 10 15

Ser Ser Trp Lys Arg Pro Glu Pro Gly Ile Leu Thr Asp Arg Gln Pro
20 25 30

Leu Leu His Asp Gly Glu Xaa
35

<210> 355
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals stop translation

<400> 355

Ser Asp Pro Leu Ala Ser Ala Ser Gln Asn Ala Gly Ile Val Ser Val

1

5

10

15

Gly Leu Cys Thr Arg Pro Gly Pro Gln Phe Lys Asn Ala Gln Pro Pro

20

25

30

Phe Pro Xaa Gln Lys Ala Pro Arg Cys Leu Trp Glu Asn Gln Pro Pro

35

40

45

Pro Trp Arg Lys Ala Trp Asp Leu Pro Ser His Leu Gly Arg Arg Gly

50

55

60

Ile Cys Gly Lys Ser Phe Xaa

65

70

<210> 356

<211> 227

<212> PRT

<213> Homo sapiens.

<400> 356

Met Ala Asp Leu Leu Gly Ser Ile Leu Ser Ser Met Glu Lys Pro Pro

1

5

10

15

Ser Leu Gly Asp Gln Glu Thr Arg Arg Lys Ala Arg Glu Gln Ala Ala

20

25

30

Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val Glu Phe

35

40

45

Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp Ser Gly

50

55

60

Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg Ser Ile

65

70

75

80

Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser Phe Gly

85

90

95

Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu Phe Ala

100

105

110

Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu Trp Asp

115

120

125

Pro Gln Lys Ala Glu Glu Lys Arg Lys Leu Lys Glu Leu Ala Gln Arg

130

135

140

Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala

145

150

155

160

Ser Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly Ala Ala
 165 170 175

Lys Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly Cys Val
 180 185 190

Pro Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala Met Asn
 195 200 205

Glu Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu Glu Leu Pro
 210 215 220

Pro Thr Ser
 225

<210> 357

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals stop translation

<400> 357

Met Trp Asp Trp Asp Trp Ser Ala Pro Trp Ser Trp Pro Leu Trp Leu
1 5 10 15

Ser Leu Ala Leu Val Cys Leu Ser Ala Gly Ala Lys Gly His Arg Ala
20 25 30

Ser Glu Ala Gly His Ala Arg Ala Leu Thr Cys Glu Met Gly Ser Glu
35 40 45

Phe Xaa Thr Ala Xaa Gly Leu Val Leu Gly Xaa Xaa Xaa Trp Thr Xaa
50 55 60

Xaa Asn Gly Ser Ala Gly Pro Glu Arg Arg Gly Trp Arg Pro Ala Ala
65 70 75 80

Phe Leu Ala Val Phe Leu Leu Gly Asp Xaa
85 90

<210> 358

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 358

Met Phe Gly Pro Thr Phe His Ser Leu Val Leu Val Pro Pro Trp Pro
1 5 10 15

Asn Leu Ser Leu Leu His Phe Thr Ser Pro Val Gly Gln His Ser Ser
20 25 30

Phe Leu Pro Thr Ser Leu Arg Leu Xaa Lys Lys Lys Lys Lys Lys Lys
35 40 45

<210> 359

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals stop translation

<400> 359

Met Cys Ser Lys Asn Gly Phe Leu Leu Ala Trp Ser Trp Asn Ser Pro
 1 5 10 15
 Trp Leu Pro Gln Ala Ser Leu Ala His Gly Cys Trp Gly Arg Trp Met
 20 25 30
 Ser Asp Leu Val Gly Cys Ser Arg Glu Asn Lys Cys Ala Leu Arg Asp
 35 40 45
 His Ser Glu Arg Val Gln Gly Xaa
 50 55

<210> 360
 <211> 222
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals stop translation

<400> 360
 Ser Pro Leu Xaa Phe Cys Val Val Leu Leu Leu Gln Ala Ala Arg Gly
 1 5 10 15
 Tyr Val Val Arg Lys Pro Ala Gln Ser Arg Leu Asp Asp Asp Pro Pro
 20 25 30
 Pro Ser Thr Leu Leu Lys Asp Tyr Gln Asn Val Pro Gly Ile Glu Lys
 35 40 45
 Val Asp Asp Val Val Lys Arg Leu Leu Ser Leu Glu Met Ala Asn Lys
 50 55 60
 Lys Glu Met Leu Lys Ile Lys Gln Glu Gln Phe Met Lys Lys Ile Val
 65 70 75 80
 Ala Asn Pro Glu Asp Thr Arg Ser Leu Glu Ala Arg Ile Ile Ala Leu
 85 90 95
 Ser Val Lys Ile Arg Ser Tyr Glu Glu His Leu Glu Lys His Arg Lys
 100 105 110
 Asp Lys Ala His Lys Arg Tyr Leu Leu Met Ser Ile Asp Gln Arg Lys
 115 120 125
 Lys Met Leu Lys Asn Leu Arg Asn Thr Asn Tyr Asp Val Phe Glu Lys
 130 135 140
 Ile Cys Trp Gly Leu Gly Ile Glu Tyr Thr Phe Pro Pro Leu Tyr Tyr
 145 150 155 160

Arg Arg Ala His Arg Arg Phe Val Thr Lys Lys Ala Leu Cys Ile Arg
 165 170 175

Val Phe Gln Glu Thr Gln Lys Leu Lys Lys Arg Arg Arg Ala Leu Lys
 180 185 190

Ala Ala Ala Ala Ala Gln Lys Gln Ala Lys Arg Arg Asn Pro Asp Ser
 195 200 205

Pro Ala Lys Ala Ile Pro Lys Thr Leu Lys Asp Ser Gln Xaa
 210 215 220

<210> 361

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals stop translation

<400> 361

Met Gly Ala Pro Ala Ala Ser Leu Leu Leu Leu Leu Leu Phe Ala
 1 5 10 15

Cys Cys Trp Ala Pro Gly Gly Ala Asn Leu Ser Gln Asp Asp Ser Gln
 20 25 30

Pro Trp Thr Ser Asp Glu Thr Val Val Ala Gly Gly Thr Val Val Leu
 35 40 45

Lys Cys Gln Val Lys Asp His Glu Asp Ser Ser Leu Gln Trp Ser Xaa
 50 55 60

<210> 362

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals stop translation

<400> 362

Met Val Ala Pro Val Trp Tyr Leu Val Ala Ala Ala Leu Leu Val Gly
1 5 10 15

Phe Ile Leu Phe Leu Thr Arg Ser Arg Gly Arg Ala Ala Ser Ala Gly
20 25 30

Gln Glu Pro Leu His Asn Glu Glu Leu Ala Gly Ala Gly Arg Val Ala
35 40 45

Gln Pro Gly Pro Leu Glu Pro Glu Glu Pro Arg Ala Gly Gly Arg Pro
50 55 60

Arg Arg Arg Arg Asp Leu Gly Ser Arg Leu Gln Ala Gln Arg Arg Ala
65 70 75 80

Gln Arg Val Ala Trp Ala Glu Ala Asp Glu Asn Glu Glu Glu Ala Val
85 90 95

Ile Leu Ala Gln Glu Glu Glu Gly Val Glu Lys Pro Ala Glu Xaa His
100 105 110

Leu Ser Gly Lys Ile Gly Ala Lys Lys Leu Arg Xaa Xaa Glu Glu Lys
115 120 125

Gln Ala Arg Lys Ala Gln Xaa Glu Ala Glu Glu Ala Glu Arg Glu Xaa
130 135 140

Arg Lys Arg Leu Glu Ser Gln Arg Glu Xaa
145 150

<210> 363

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 363

Met Gln Lys Cys Met Leu Ser Ala Leu Val Phe His Ile Gln Trp Ser
 1 5 10 15

Xaa

<210> 364

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals stop translation

<400> 364

Met Leu Val Cys Ser Phe Leu Phe Leu Xaa
 1 5 10

<210> 365

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals stop translation

<400> 365

Val Ile Glu Leu Cys Val Ser Leu Arg Ser Leu Asn Phe Xaa
 1 5 10

<210> 366

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals stop translation

<400> 366

Met Cys Glu Phe Xaa Xaa Xaa Ile Met Xaa Leu Ala Gly Tyr Phe Ala
1 5 10 15

Cys Xaa

<210> 367

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals stop translation

<400> 367

Met Val Gly Gly Tyr Val Ser Ser Phe Ser Phe Pro Pro Val Ser Ser
1 5 10 15

Ser Leu Leu Leu Pro Ala Ser Phe Ala Phe Pro Phe Leu Pro Gly Thr
20 25 30

Pro Cys Pro Phe Leu Tyr Phe Leu Pro Ser Pro Phe Ser Pro Leu Pro
35 40 45

Leu Ser Leu Thr Arg Ser Asn Ser Phe Leu Leu Asn Gly Xaa
50 55 60

<210> 368

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals stop translation

<400> 368

Glu Lys Lys Ser Met Ser Val Ser Asp Ile Tyr Ala Leu Glu Ser Leu
1 5 10 15

Gly Arg Ser Leu Phe Thr Leu Asn Ser Met Cys Leu Pro Leu Ser Phe
 20 25 30

Xaa

<210> 369

<211> 245

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 369

Met Gly Gly Ala Ser Arg Arg Val Glu Ser Gly Ala Trp Ala Tyr Leu
 1 5 10 15

Ser Pro Leu Val Leu Arg Lys Glu Leu Glu Ser Leu Val Glu Asn Glu
 20 25 30

Gly Ser Glu Val Leu Ala Leu Pro Glu Leu Pro Ser Ala His Pro Ile
 35 40 45

Ile Phe Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser
 50 55 60

Ile Leu Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser
 65 70 75 80

Gln Ala Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val
 85 90 95

Arg Leu Leu Trp Asp Val Leu Thr Pro Asp Pro Asn Ser Cys Pro Pro
 100 105 110

Leu Tyr Val Leu Trp Arg Val His Ser Gln Ile Pro Gln Arg Val Val
 115 120 125

Trp Pro Gly Pro Val Pro Ala Ser Leu Ser Leu Ala Leu Leu Glu Ser
 130 135 140

Val Leu Arg His Val Gly Leu Asn Glu Val His Lys Ala Val Gly Leu
 145 150 155 160

Leu Leu Glu Thr Leu Gly Pro Pro Pro Thr Gly Leu His Leu Gln Arg
 165 170 175

Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu Gly Lys
 180 185 190

Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser Ala Phe
 195 200 205

Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His Arg Arg

210 215 220
 Ala Gln Met Pro Thr Pro Lys Ala Ile Asp Cys Arg Lys Cys Phe Gly
 225 230 235 240

Ala Pro Pro Glu Cys
 245

<210> 370
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 370
 Met Lys Phe Ser Leu Leu Phe Leu Pro Met Leu Leu Ile Leu Lys Pro
 1 5 10 15

Asp Leu Phe His Ile Ser Ile Cys Thr Leu Ala Ala Cys Gly Leu Thr
 20 25 30

Phe Pro Xaa
 35

<210> 371
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals stop translation

<400> 371
 Met Leu Phe Phe Phe Ile Leu His Leu Leu Ser Ile Met Ser Phe Leu
 1 5 10 15

Ser Pro Asp Ile Met Xaa
 20

<210> 372
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 372

Met Phe Gly Leu Leu Val Glu Ser Gln Thr Leu Leu Glu Glu Asn Ala
 1 5 10 15

Val Gln Gly Thr Glu Arg Thr Leu Gly Leu Asn Ile Ala Pro Phe Ile
 20 25 30

Asn Gln Phe Gln Val Pro Ile Arg Val Phe Leu Asp Leu Ser Ser Leu
 35 40 45

Pro Cys Ile Pro Leu Ser Lys Pro Val Glu Leu Leu Arg Leu Asp Leu
 50 55 60

Met Thr Pro Tyr Leu Asn Thr Ser Asn Arg Glu Val Lys Val Tyr Val
 65 70 75 80

Cys Xaa Ile Trp Glu Asp Leu Thr Ala Ile Pro Phe Trp Val Ser Tyr
 85 90 95

Val Pro

<210> 373

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Met Phe Gly Ala His Arg Xaa Trp Gln Gly Ser Val Leu Leu Phe Leu
 1 5 10 15

Ser Phe Ala Trp Gly Asn Gly Gly Ser Val Thr Phe Ser Asp Val Pro
 20 25 30

Arg Val Met Pro Leu Ala Gly Gly Pro Xaa Xaa Gln Val Ser Ser Thr
 35 40 45

Pro Arg Pro Pro Pro His Gln Val Thr Ser Ser Pro Gly Leu Glu Ser
 50 55 60

Ala His Ile Val Cys Pro Glu Arg Lys Lys Lys Lys Lys Lys
 65 70 75

<210> 374
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 374
 Thr Leu Leu Xaa Phe Leu Xaa Leu Leu Thr Thr Glu Gly Gly Arg Glu
 1 5 10 15

Asn Ile Phe Xaa Gly Arg Ile Leu Xaa Leu Gln Xaa Ser Pro Xaa
 20 25 30

<210> 375
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)

<223> Xaa equals stop translation

<400> 375

Met Leu Ser Phe Phe Ile Cys Leu Leu Ile Phe Val His Leu Leu Leu
1 5 10 15

Leu Ser Phe Leu Ile Ser Asp Trp Pro Pro Pro Thr Gly Ser Ala Xaa
20 25 30

His Lys Ile Leu Arg Leu Met Val Val Gln Arg Leu Ser Leu Leu Asp
35 40 45

Gln Arg Lys Arg Trp Ser Glu Ala Xaa
50 55

<210> 376

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 376

Met Cys His His Ala Trp Leu Ile Phe Lys Phe Phe Val Xaa Met Gly
1 5 10 15

Ser His Tyr Val Ala Gln Ala Gly Phe Arg Phe Leu Cys Ser Arg Asp
20 25 30

Ser Ala Asn Leu Ala Pro Gln Ser Ala Gly Ile Thr Asn Val Ser His
35 40 45

Cys Ile Trp Pro Ile Phe Phe Phe Lys Lys Lys Met Gln Arg Cys
50 55 60

<210> 377

<211> 38

<212> PRT

<213> Homo sapiens

<400> 377

Met Thr Met Val Leu Cys Ile Phe Ile Leu Gly His His Ala Arg Glu
1 5 10 15

Asp Pro Pro Ser Asn Gly His Ile Thr Ser Glu Gly Ala Phe Leu Val
20 25 30

Asn Val Gly Ala Pro Gln
35

<210> 378

<211> 98

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 378
 Met Leu Arg Leu Glu Ala Arg Ala Thr Thr Pro Gly Leu Gln Thr His
 1 5 10 15
 Ser Cys Leu Gly Phe Tyr Ile Lys Tyr Glu His Lys Asn Thr Phe Pro
 20 25 30
 Lys Tyr Ser Leu Trp Leu Cys Leu Thr Leu Gly Thr Xaa Pro Ser Thr
 35 40 45
 Ser Ser Ile Leu Arg Tyr Val Arg Gly Val Tyr Arg Gly Leu Glu Tyr
 50 55 60
 Ile Arg Phe Phe Ser Asn Ser Ser Ser Ser Arg Arg Arg Leu Thr Thr
 65 70 75 80
 Ser Leu Gly Phe Lys Val Ser Gly Leu Lys Phe Pro Pro Glu Ile Thr
 85 90 95
 Ile Arg

<210> 379
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals stop translation

<400> 379
 Thr Leu Thr Ser Phe Leu Glu Leu Pro Leu Ala Pro Glu Pro Xaa
 1 5 10 15

<210> 380
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 380
 Met His Arg Tyr Ile Thr Phe Phe Lys Cys Phe Arg Ser Val Ile Leu

1 5 10 15
 Asp Leu Leu Phe Ile Leu Ser Pro Leu Ser Gln Gly Cys Phe Ile Leu
 20 25 30

Phe Xaa

<210> 381

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 381

Met Phe Gly Phe Ile Phe Leu Leu Leu Ile Phe Cys Ile Xaa Leu Cys
 1 5 10 15

Ser Arg Thr Leu Ser Thr Phe Ile Pro Lys Leu Val Gly Phe Leu Tyr
 20 25 30

Trp Lys Phe Ser Ile Asn Leu Ser Leu Leu Leu Thr Leu Ile Lys Lys
 35 40 45

Lys Lys Lys Lys Lys Lys Thr Pro Arg Gly Gly Pro Gly Xaa Gln Ser
 50 55 60

Pro. Pro

65

<210> 382

<211> 317

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382

Met Pro Gly Leu Gly Arg Pro Arg Gln Ala Arg Trp Thr Leu Met Leu
 1 5 10 15

Leu Leu Ser Thr Ala Met Tyr Gly Ala His Ala Pro Leu Leu Ala Leu
 20 25 30

Cys His Val Asp Gly Arg Val Pro Phe Arg Pro Ser Ser Ala Val Leu
 35 40 45
 Leu Thr Glu Leu Thr Lys Leu Leu Cys Ala Phe Ser Leu Leu Val
 50 55 60
 Gly Trp Gln Ala Trp Pro Gln Gly Pro Pro Pro Trp Arg Gln Ala Ala
 65 70 75 80
 Pro Phe Ala Leu Ser Ala Leu Leu Tyr Gly Ala Asn Asn Asn Leu Val
 85 90 95
 Ile Tyr Leu Gln Arg Tyr Met Asp Pro Ser Thr Tyr Gln Val Leu Ser
 100 105 110
 Asn Leu Lys Ile Gly Ser Thr Ala Val Leu Tyr Cys Leu Cys Leu Arg
 115 120 125
 His Arg Leu Ser Val Arg Gln Gly Leu Ala Leu Leu Leu Met Ala
 130 135 140
 Ala Gly Ala Cys Tyr Ala Ala Gly Gly Leu Gln Val Pro Gly Asn Thr
 145 150 155 160
 Leu Pro Ser Pro Pro Pro Ala Ala Ala Ala Ser Pro Met Pro Leu His
 165 170 175
 Ile Thr Pro Leu Gly Leu Leu Leu Leu Ile Leu Tyr Cys Leu Ile Ser
 180 185 190
 Gly Leu Ser Ser Val Tyr Thr Glu Leu Leu Met Lys Arg Gln Xaa Leu
 195 200 205
 Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr Thr Phe Gly Val Leu Leu
 210 215 220
 Asn Leu Gly Leu His Ala Gly Gly Gly Ser Gly Pro Gly Leu Leu Glu
 225 230 235 240
 Gly Phe Ser Gly Trp Ala Ala Leu Val Val Leu Ser Gln Ala Leu Asn
 245 250 255
 Gly Leu Leu Met Ser Ala Val Met Lys His Gly Ser Ser Ile Thr Arg
 260 265 270
 Leu Phe Val Val Ser Cys Ser Leu Val Val Asn Ala Val Leu Ser Ala
 275 280 285
 Val Leu Leu Arg Leu Gln Leu Thr Ala Ala Phe Phe Leu Ala Thr Leu
 290 295 300
 Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr Gly Ser Arg
 305 310 315

<210> 383

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 383

Met Gly Glu Gln Pro His Phe Ser Leu Cys Val Leu Leu Ala Ala Val
1 5 10 15

Arg Glu Asp Xaa Asp Pro Xaa Val Phe Pro Cys Cys Phe Leu Xaa
20 25 30

<210> 384

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals stop translation

<400> 384

Met Ser Phe Ile Ala Leu His Pro Leu Leu Pro Glu Ala Ala Leu Gly
1 5 10 15

Val Pro Gly Gln Ser Pro His Arg Pro Leu Trp Gln Thr Gln Cys Cys
20 25 30

Val Ala Pro Pro Gln Pro Arg Ala Glu Phe Xaa
35 40

<210> 385

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (255)

<223> Xaa equals stop translation

<400> 385

Met Val Thr Ala Leu Thr Leu Leu Ala Phe Pro Leu Leu Leu His

1	5	10	15
Ala Glu Arg Ile Ser Leu Val Phe Leu Leu Leu Phe Leu Gln Ser Phe	20	25	30
Leu Leu Leu His Leu Leu Ala Ala Gly Ile Pro Val Thr Thr Pro Gly	35	40	45
Pro Phe Thr Val Pro Trp Gln Ala Val Ser Ala Trp Ala Leu Met Ala	50	55	60
Thr Gln Thr Phe Tyr Ser Thr Gly His Gln Pro Val Phe Pro Ala Ile	65	70	75
His Trp His Ala Ala Phe Val Gly Phe Pro Glu Gly His Gly Ser Cys	85	90	95
Thr Trp Leu Pro Ala Leu Leu Val Gly Ala Asn Thr Phe Ala Ser His	100	105	110
Leu Leu Phe Ala Val Gly Cys Pro Leu Leu Leu Leu Trp Pro Phe Leu	115	120	125
Cys Glu Ser Gln Gly Leu Arg Lys Arg Gln Gln Pro Pro Gly Asn Glu	130	135	140
Ala Asp Ala Arg Val Arg Pro Glu Glu Glu Glu Glu Pro Leu Met Glu	145	150	155
Met Arg Leu Arg Asp Ala Pro Gln His Phe Tyr Ala Ala Leu Leu Gln	165	170	175
Leu Gly Leu Lys Tyr Leu Phe Ile Leu Gly Ile Gln Ile Leu Ala Cys	180	185	190
Ala Leu Ala Ala Ser Ile Leu Arg Arg His Leu Met Val Trp Lys Val	195	200	205
Phe Ala Pro Lys Phe Ile Phe Glu Ala Val Gly Phe Ile Val Ser Ser	210	215	220
Val Gly Leu Leu Leu Gly Ile Ala Leu Val Met Arg Val Asp Gly Ala	225	230	235
Val Ser Ser Trp Phe Arg Gln Leu Phe Leu Ala Gln Gln Arg Xaa	245	250	255

<210> 386

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals stop translation

<400> 386
 Met Xaa Gly Pro Trp Gly Glu Glu Ala Leu Ile Arg Leu Pro Thr Pro
 1 5 10 15

Ser Gly Leu Xaa
 20

<210> 387
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals stop translation

<400> 387
 Met Ala Thr Leu Glu Xaa Asn Gln Arg Glu Val Asp Arg Glu Ile Arg
 1 5 10 15

Ser Leu Leu Leu Trp Phe Leu Leu Cys Glu Ile Val Ser Gly Trp Leu
 20 25 30

Cys Pro Glu Gly Pro Trp Phe Ser Gln Gly Cys Gln Ile Tyr Lys Asn
 35 40 45

Leu Ser Ser Ser Ser Ser Tyr Asn Leu Ser Phe Leu Leu Ser Leu Xaa
 50 55 60

<210> 388
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals stop translation

<400> 388
 Met Ile His Ser Gly Cys Thr Ser Gln Cys Leu Glu Gly Phe Phe Leu
 1 5 10 15

Ile Phe Leu Leu Asp Phe Asn Pro Val Leu Ala Leu Asp Leu Ile Gly
 20 25 30

Ile Met Arg Lys Ala Ser His Xaa
 35 40

<210> 389

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 389

Met Val Phe Ser Ala Arg Val Ser Leu Tyr Thr Arg Phe Lys Val Ile
 1 5 10 15

Leu Leu Ser Leu Leu Ile Met Ile Leu His Val Cys Trp Val Trp Val
 20 25 30

Ile Leu Xaa
 35

<210> 390

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals stop translation

<400> 390

Gly Leu Leu Tyr Ile Met Tyr Cys Asn Ile Xaa
 1 5 10

<210> 391

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals stop translation

<400> 391

Met Asn Asn Gly Leu Leu Gln Gln Pro Ser Ala Leu Met Leu Leu Pro
 1 5 10 15

Cys Arg Pro Val Leu Thr Ser Val Ala Leu Asn Ala Asn Phe Val Ser
 20 25 30
 Trp Lys Ser Arg Thr Lys Tyr Thr Ile Thr Pro Val Lys Met Arg Lys
 35 40 45
 Ser Gly Gly Arg Asp His Thr Gly Gly Asn Lys Asp Arg Gly Ile Xaa
 50 55 60

<210> 392
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals stop translation

<400> 392
 Met Arg Lys Gln Arg Leu Val Pro Met Tyr Leu Gly Leu Ile Tyr Ile
 1 5 10 15

Leu Leu Xaa

<210> 393
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 393
 Met Glu Ile Ser Val Ile Lys Ile Phe Gln Asp Glu Thr Thr Leu Lys
 1 5 10 15

Ile Lys Leu Cys Leu Val Ser Leu Ser Ser Leu Leu Val Ser Leu Leu
 20 25 30

Leu Leu Ile Leu Pro Glu Ser Thr Ser Leu Trp
 35 40

<210> 394
 <211> 17
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals stop translation

<400> 394

Leu Leu Leu Pro Val Leu Ala Ser Ser Val Pro Ser His Ser Ala Thr
 1 5 10 15

Xaa

<210> 395
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals stop translation

<400> 395
 Met Leu Pro Leu Leu Leu Phe Thr Tyr Leu Asn Ser Phe Leu His Gln
 1 5 10 15

Arg Ile Pro Gln Ser Val Arg Ile Leu Gly Ser Leu Val Ala Ile Leu
 20 25 30

Leu Val Phe Leu Ile Thr Ala Ile Leu Val Lys Val Gln Leu Asp Ala
 35 40 45

Leu Pro Phe Phe Val Ile Thr Met Ile Lys Ile Val Leu Ile Asn Ser
 50 55 60

Phe Gly Ala Ile Leu Gln Gly Ser Leu Phe Gly Leu Ala Gly Leu Leu
 65 70 75 80

Pro Ala Ser Xaa

<210> 396
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals stop translation

<400> 396
 Met Lys Leu Ser Leu Phe Leu Ile Leu Ser Asp Val Phe Tyr Leu Gly
 1 5 10 15

Ser Pro Xaa Thr Xaa
 20

<210> 397
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals stop translation

<400> 397
 Met Gly Thr Arg Arg Lys Gly Val Ala Trp Leu Ser Leu Ala Pro Leu
 1 5 10 15

Ile Thr Gly Leu Ala Pro Ala His Ile Thr Ala Val Xaa
 20 25

<210> 398
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 398
 Met Lys Asp Leu Leu Gln Arg Asn Pro Trp Lys Asn Ser Leu Leu Leu
 1 5 10 15

Leu Gln Val Cys Gln Ala Phe Leu Val Cys Ser Leu Thr Gln Leu Ala
 20 25 30

Val Xaa

<210> 399
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 399
 Met Ser Glu Ser His Lys Ile Trp Trp Cys Tyr Arg His Leu Ala Phe
 1 5 10 15

Pro Leu Leu Thr Leu Ile Leu Tyr Pro Ala Thr Leu Gly Arg Ser Val
 20 25 30

Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Xaa
 35 40 45

<210> 400

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals stop translation

<400> 400

Met Leu Asn Arg Ile Met Val Ala Ser Phe Gly Ala Val Leu Val Gln
 1 5 10 15

Val Cys Arg Gly Xaa Gly Gln Gly Xaa
 20 25

<210> 401

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals stop translation

<400> 401

Met Gln Leu Leu Leu Gly Leu Ile Arg Ser Gln Pro Ser Pro Pro
 1 5 10 15

Pro Ser Leu Cys Leu Met Leu Cys Pro Cys Leu Pro Cys Leu Arg Tyr
 20 25 30

Ser Pro Phe Val Pro Gln His Pro Cys Pro Leu Pro Leu Asp Leu Cys
 35 40 45

Leu Ala Gly Cys Ser Ser Leu Ser Val Gln Asp Lys Cys Ser Trp Pro
 50 55 60

Tyr Pro Ile Xaa
 65

<210> 402

<211> 85

<212> PRT

<213> Homo sapiens

<400> 402

Met Lys Asp Ser Leu Cys Arg Val Ser Phe Leu Lys Asn Gln Ile Phe
 1 5 10 15

Leu Ser Tyr Ile Thr Leu Val Leu Ile Gly His Ala His Phe Ser Gly
 20 25 30

Val Pro His Tyr Asn Val Ser Phe Val Leu Arg Ile Asn Leu Gln Lys
 35 40 45

His Leu Lys Ile Thr Thr Ser Asn Gly Ile Glu Ser Lys Lys Thr Gly
 50 55 60

Glu Arg Gly Glu Thr Met Phe Phe Arg Thr Arg Gly Ser Thr His Ala
 65 70 75 80

Ser Ala Asp Ala Trp
 85

<210> 403

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 403

Met Gly Gly Ser Leu Leu Pro Gln Val Ser Ala Ala Val Leu Xaa Leu
 1 5 10 15

Asp Gly Leu Leu Leu Pro Gly Leu Lys Gly Cys Gly Pro Leu Arg Val
 20 25 30

Ser Phe Pro Gln Ala Lys Phe Lys Ala Ala Ala Leu Cys Glu Ala Leu
 35 40 45

Leu Ala Leu Gly Trp Arg Glu Asn Phe Lys Leu Phe Cys Ser Gln Gly
 50 55 60

Arg Gly Met Gly Pro Gly Cys Arg Cys Pro His Ser Ala Asn Glu Ser
 65 70 75 80

Phe Val

<210> 404

<211> 286

<212> PRT

<213> Homo sapiens

<400> 404

Met Ala Met Glu Gly Tyr Trp Arg Phe Leu Ala Leu Leu Gly Ser Ala

1	5	10	15
Leu Leu Val Gly Phe Leu Ser Val Ile Phe Ala Leu Val Trp Val Leu	20	25	30
His Tyr Arg Glu Gly Leu Gly Trp Asp Gly Ser Ala Leu Glu Phe Asn	35	40	45
Trp His Pro Val Leu Met Val Thr Gly Phe Val Phe Ile Gln Gly Ile	50	55	60
Ala Ile Ile Val Tyr Arg Leu Pro Trp Thr Trp Lys Cys Ser Lys Leu	65	70	80
Leu Met Lys Ser Ile His Ala Gly Leu Asn Ala Val Ala Ala Ile Leu	85	90	95
Ala Ile Ile Ser Val Val Ala Val Phe Glu Asn His Asn Val Asn Asn	100	105	110
Ile Ala Asn Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val	115	120	125
Ile Cys Tyr Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu	130	135	140
Pro Trp Ala Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val	145	150	155
Tyr Ser Gly Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met	165	170	175
Gly Leu Thr Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser	180	185	190
Thr Phe Pro Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile	195	200	205
Leu Val Phe Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp	210	215	220
Lys Arg Pro Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly	225	230	235
Thr Glu Gln Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn	245	250	255
Ile Asp Lys Ser Asp Ser Glu Leu Asn Ser Glu Val Ala Ala Arg Lys	260	265	270
Arg Asn Leu Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met	275	280	285

210> 405

211> 154

212> PRT

213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (121)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (154)
 <223> Xaa equals stop translation

<400> 405
 Met Thr Lys Ala Arg Leu Phe Arg Leu Trp Leu Val Leu Gly Ser Val
 1 5 10 15

Phe Met Ile Leu Leu Ile Ile Val Tyr Trp Asp Ser Ala Gly Ala Ala
 20 25 30

His Phe Tyr Leu His Thr Ser Phe Ser Arg Pro His Thr Gly Pro Pro
 35 40 45

Leu Pro Thr Pro Gly Pro Asp Arg Asp Arg Glu Leu Thr Ala Asp Ser
 50 55 60

Asp Val Asp Xaa Phe Leu Asp Xaa Phe Leu Ser Ala Gly Val Lys Gln
 65 70 75 80

Ser Asp Xaa Pro Arg Lys Glu Thr Glu Gln Pro Pro Ala Pro Gly Ser
 85 90 95

Met Glu Glu Ser Val Arg Xaa Tyr Asp Trp Ser Pro Arg Xaa Ala Arg
 100 105 110

Arg Thr Gln Thr Arg Ala Gly Ser Xaa Arg Xaa Gly Gly Xaa Cys Cys
 115 120 125

Gly Ala Ser Ala Pro Xaa Pro Ala Trp Pro Ser Pro Pro Arg Ser Ala
 130 135 140

His Ser Thr Thr Ser Pro Thr Arg Ser Xaa
 145 150

<210> 406

<211> 37

<212> PRT

<213> Homo sapiens

<400> 406

Met Leu Leu Leu Ile Val Leu Val Ala Asn Ile Leu Ser Met Ser Asn
 1 5 10 15

Met Ser Asn Ala Val Val Ser Asp Leu His Ile Leu Val His Leu Ile
 20 25 30

Ser His Lys Ala Asn
 35

<210> 407

<211> 60

<212> PRT

<213> Homo sapiens

<400> 407

Met Cys Ile His Val Phe Met Ser Val Leu Trp Val Leu Phe Leu Leu
 1 5 10 15

Asn Pro Leu Cys Thr Gly Leu Trp Pro Leu Val Asn Cys Phe Ser Val
 20 25 30

Leu Arg His Ala Asp Trp Val Leu Gly Ala Asp Tyr Lys Gly Glu Glu
 35 40 45

Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp
 50 55 60

<210> 408
 <211> 447
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (447)
 <223> Xaa equals stop translation

<400> 408

Met	Leu	Leu	Gly	Leu	Leu	Met	Ala	Ala	Cys	Phe	Thr	Phe	Cys	Leu	Ser	1	5	10	15
His	Gln	Asn	Leu	Lys	Glu	Phe	Ala	Leu	Thr	Asn	Pro	Glu	Lys	Ser	Ser	20	25	30	
Thr	Lys	Glu	Thr	Glu	Arg	Lys	Glu	Thr	Lys	Ala	Glu	Glu	Glu	Leu	Asp	35	40	45	
Ala	Glu	Val	Leu	Glu	Val	Phe	His	Pro	Thr	His	Glu	Trp	Gln	Ala	Leu	50	55	60	
Gln	Pro	Gly	Gln	Ala	Val	Pro	Ala	Gly	Ser	His	Val	Arg	Leu	Asn	Leu	65	70	75	80
Gln	Thr	Gly	Glu	Arg	Glu	Ala	Lys	Leu	Gln	Tyr	Glu	Asp	Lys	Phe	Arg	85	90	95	
Asn	Asn	Leu	Lys	Gly	Lys	Arg	Leu	Asp	Ile	Asn	Thr	Asn	Thr	Tyr	Thr	100	105	110	
Ser	Gln	Asp	Leu	Lys	Ser	Ala	Leu	Ala	Lys	Phe	Lys	Glu	Gly	Ala	Glu	115	120	125	
Met	Glu	Ser	Ser	Lys	Glu	Asp	Lys	Ala	Arg	Gln	Ala	Glu	Val	Lys	Arg	130	135	140	
Leu	Phe	Arg	Pro	Ile	Glu	Glu	Leu	Lys	Lys	Asp	Phe	Asp	Glu	Leu	Asn	145	150	155	160
Val	Val	Ile	Glu	Thr	Asp	Met	Gln	Ile	Met	Val	Arg	Leu	Ile	Asn	Lys	165	170	175	
Phe	Asn	Ser	Ser	Ser	Ser	Ser	Leu	Glu	Glu	Lys	Ile	Ala	Ala	Leu	Phe	180	185	190	
Asp	Leu	Glu	Tyr	Tyr	Val	His	Gln	Met	Asp	Asn	Ala	Gln	Asp	Leu	Leu	195	200	205	
Ser	Phe	Gly	Gly	Leu	Gln	Val	Val	Ile	Asn	Gly	Leu	Asn	Ser	Thr	Glu	210	215	220	
Pro	Leu	Val	Lys	Glu	Tyr	Ala	Ala	Phe	Val	Leu	Gly	Ala	Ala	Phe	Ser	225	230	235	240

Ser Asn Pro Lys Val Gln Val Glu Ala Ile Glu Gly Gly Ala Leu Gln
245 250 255

- Lys Leu Leu Val Ile Leu Ala Thr Glu Gln Pro Leu Thr Ala Lys Lys
260 265 270

Lys Val Leu Phe Ala Leu Cys Ser Leu Leu Arg His Phe Pro Tyr Ala
275 280 285

Gln Arg Gln Phe Leu Lys Leu Gly Gly Leu Gln Val Leu Arg Thr Leu
290 295 300

Val Gln Glu Lys Gly Thr Glu Val Leu Ala Val Arg Val Val Thr Leu
305 310 315 320

Leu Tyr Asp Leu Val Thr Glu Lys Met Phe Ala Glu Glu Glu Ala Glu
325 330 335

Leu Thr Gln Glu Met Ser Pro Glu Lys Leu Gln Gln Tyr Arg Gln Val
340 345 350

His Leu Leu Pro Gly Leu Trp Glu Gln Gly Trp Cys Glu Ile Thr Ala
355 360 365

His Leu Leu Ala Leu Pro Glu His Asp Ala Arg Glu Lys Val Leu Gln
370 375 380

Thr Leu Gly Val Leu Leu Thr Thr Cys Arg Asp Arg Tyr Arg Gln Asp
385 390 395 400

Pro Gln Leu Gly Arg Thr Leu Ala Ser Leu Gln Ala Glu Tyr Gln Val
405 410 415

Leu Ala Ser Leu Glu Leu Gln Asp Gly Glu Asp Glu Gly Tyr Phe Gln
420 425 430

Glu Leu Leu Gly Ser Val Asn Ser Leu Leu Lys Glu Leu Arg Xaa
435 440 445

<210> 409

<211> 64

<212> PRT

<213> Homo sapiens

<400> 409

Met Leu Tyr Ser Asp Leu Lys Leu Val Arg Cys His Asn Gly Pro Val
1 5 10 15

His Val Ile Ser Val Tyr Thr Thr Pro Pro Asp Pro Ser Asn Pro Tyr
20 25 30

Asn Thr Pro Pro Leu Phe Ala Ser Cys Met Val Ile Ser Tyr Val Thr
35 40 45

Phe Thr Pro Val Ser Ala Asp Cys Phe Phe Asn Val Leu Val Cys Phe
50 55 60

<210> 410
 <211> 24
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals stop translation

<400> 410
 Glu Leu Leu Phe Leu Leu Ile Ile Ile Leu Gly Glu Ser Leu Ser Asp
 1 5 10 15

Val Ile Leu Leu Ile Cys Phe Xaa
 20

<210> 411
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 411
 Met Phe Tyr Trp Gly Gly Leu Ser Phe Tyr Phe Leu Leu Ser Ser Gly
 1 5 10 15

Val Gly Phe Tyr Cys Phe Leu Phe Gly Phe Gly Met Glu Ile Trp Ile
 20 25 30

Ala Ala Xaa
 35

<210> 412
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 412
 Met Gly Lys Val Gly Trp Leu Met Val Gly Gly Val Ala Pro Gly Ile
 1 5 10 15

Arg Gly Gly Trp Gly Trp Thr Leu Gly Ile Met Val Gly Gly Ala Ile
 20 25 30

Ala His Cys Cys Cys Cys Leu Ile Arg
 35 40

<210> 413
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 413
 Met Lys Leu Ser Leu Ile Leu Thr Leu Met Gln Arg Tyr Phe Arg
 1 5 10 15
 Thr Ile Thr Asn Ser Leu Cys Lys Xaa
 20 25

<210> 414
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals stop translation

<400> 414
 Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu Leu
 1 5 10 15
 Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu Arg Arg
 20 25 30
 Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala Leu Pro Gly
 35 40 45
 Ala Gly Ile Pro Phe Trp Ser His His Gly Gly Glu Gly Gln Gly Trp
 50 55 60
 Gly Pro Leu Cys Pro Gly Ser Leu Lys Val Leu Glu Gly Leu Xaa
 65 70 75

<210> 415
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 415

Met	His	Tyr	Leu	Leu	Lys	Glu	Cys	Asp	Ile	Asp	Thr	Asp	Ala	Tyr	Phe
1				5					10					15	

Phe	Phe	Phe	Xaa	Leu	Leu	Val	Leu	Phe	Leu	Pro	Xaa	Lys	Tyr	Ser	Pro
			20					25						30	

Pro	Phe	Tyr	Ser	Ile	Val	Leu	Phe	Arg	Trp	Asn	Asp	Ser	Tyr	Lys	Ile
		35					40					45			

Ser	His	Tyr
		50

<210> 416

<211> 257

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 416

Met	Ala	Ala	Leu	Thr	Ser	His	Leu	Gln	Asn	Gln	Ser	Asn	Asn	Ser	Asn
1					5				10					15	

Trp	Asn	Leu	Arg	Thr	Arg	Ser	Lys	Cys	Lys	Lys	Asp	Val	Phe	Met	Pro
		20						25					30		

Pro	Ser	Ser	Ser	Ser	Glu	Leu	Gln	Glu	Ser	Arg	Gly	Leu	Ser	Asn	Phe
		35					40					45			

Thr	Ser	Thr	His	Leu	Leu	Leu	Lys	Glu	Asp	Glu	Gly	Val	Asp	Asp	Val
	50					55					60				

Asn	Phe	Arg	Lys	Val	Arg	Lys	Pro	Lys	Gly	Lys	Val	Thr	Ile	Leu	Lys
65					70					75					80

Gly	Ile	Pro	Ile	Lys	Lys	Thr	Lys	Lys	Gly	Cys	Arg	Lys	Ser	Cys	Ser
				85					90					95	

Gly	Phe	Val	Xaa	Ser	Asp	Ser	Lys	Arg	Glu	Ser	Val	Cys	Asn	Lys	Ala
		100						105					110		

Asp	Ala	Glu	Ser	Glu	Pro	Val	Ala	Gln	Lys	Ser	Gln	Leu	Asp	Arg	Thr
		115					120					125			

Val	Cys	Ile	Ser	Asp	Ala	Gly	Ala	Cys	Gly	Glu	Thr	Leu	Ser	Val	Thr
	130					135					140				

Ser	Glu	Glu	Asn	Ser	Leu	Val	Lys	Lys	Lys	Glu	Arg	Ser	Leu	Ser	Ser
145						150				155				160	

Gly Ser Asn Phe Cys Ser Glu Gln Lys Thr Ser Gly Ile Ile Asn Lys
 165 170 175

Phe Cys Ser Ala Lys Asp Ser Glu His Asn Glu Lys Tyr Glu Asp Thr
 180 185 190

Phe Leu Glu Ser Glu Glu Ile Gly Thr Lys Val Glu Val Val Glu Arg
 195 200 205

Lys Glu His Leu His Thr Asp Ile Leu Lys Arg Gly Ser Glu Met Asp
 210 215 220

Asn Asn Cys Ser Pro Thr Arg Lys Asp Phe Thr Glu Asp Thr Ile Pro
 225 230 235 240

Arg Asn Thr Asp Arg Lys Lys Glu Asn Lys Pro Val Phe Phe Gln Gln
 245 250 255

Ile

<210> 417
 <211> 424
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (263)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 417
 Met Glu Lys Gln Cys Cys Ser His Pro Val Ile Cys Ser Leu Ser Thr
 1 5 10 15

Met Tyr Thr Phe Leu Leu Gly Ala Ile Phe Ile Ala Leu Ser Ser Ser
 20 25 30

Arg Ile Leu Leu Val Lys Tyr Ser Ala Asn Glu Glu Asn Lys Tyr Asp
 35 40 45

Tyr Leu Pro Thr Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val
 50 55 60

Phe Cys Val Leu Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser
 65 70 75 80

Arg Asn Leu Lys Tyr Ala Ser Trp Lys Glu Phe Ser Asp Phe Met Lys
 85 90 95

Trp Ser Ile Pro Ala Phe Leu Tyr Phe Leu Asp Asn Leu Ile Val Phe
 100 105 110

Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val Ile Phe Ser Asn
 115 120 125
 Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg Ile Val Leu Lys Xaa
 130 135 140
 Arg Leu Asn Trp Ile Gln Trp Ala Ser Leu Leu Thr Leu Phe Leu Ser
 145 150 155 160
 Ile Val Ala Leu Thr Ala Gly Thr Lys Thr Leu Gln His Asn Leu Ala
 165 170 175
 Gly Arg Gly Phe His His Asp Ala Phe Phe Ser Pro Ser Asn Ser Cys
 180 185 190
 Leu Leu Phe Arg Asn Glu Cys Pro Arg Lys Asp Asn Cys Thr Ala Lys
 195 200 205
 Glu Trp Thr Phe Pro Glu Ala Lys Trp Asn Thr Thr Ala Arg Val Phe
 210 215 220
 Ser His Ile Arg Leu Gly Met Gly His Val Leu Ile Ile Val Gln Cys
 225 230 235 240
 Phe Ile Ser Ser Met Ala Asn Ile Tyr Asn Glu Lys Ile Leu Lys Glu
 245 250 255
 Gly Asn Gln Leu Thr Glu Xaa Ile Phe Ile Gln Asn Ser Lys Leu Tyr
 260 265 270
 Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg Ser
 275 280 285
 Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe Tyr Gly His Ser Ala
 290 295 300
 Phe Ser Val Ala Leu Ile Phe Val Thr Ala Phe Gln Gly Leu Ser Val
 305 310 315 320
 Ala Phe Ile Leu Lys Phe Leu Asp Asn Met Phe His Val Leu Met Ala
 325 330 335
 Gln Val Thr Thr Val Ile Ile Thr Thr Val Ser Val Leu Val Phe Asp
 340 345 350
 Phe Arg Pro Ser Leu Glu Phe Phe Leu Glu Ala Pro Ser Val Leu Leu
 355 360 365
 Ser Ile Phe Ile Tyr Asn Ala Ser Lys Pro Gln Val Pro Glu Tyr Ala
 370 375 380
 Pro Arg Gln Glu Arg Ile Arg Asp Leu Ser Gly Asn Leu Trp Glu Arg
 385 390 395 400
 Ser Ser Gly Asp Gly Glu Glu Leu Glu Arg Leu Thr Lys Pro Lys Ser
 405 410 415

Asp Glu Ser Asp Glu Asp Thr Phe
420

<210> 418

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals stop translation

<400> 418

Met Trp Gly Gln Gly Ser Gln Lys Ser His Phe Ser Asp Leu Val Phe
1 5 10 15

Gly Val Arg Glu Leu Cys Ala Gln Pro Ser Asp Pro Gly Ser Pro His
20 25 30

Xaa

<210> 419

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals stop translation

<400> 419

Met Val Gln His Ile Gln Pro Ala Ala Leu Ser Leu Leu Ala Gln Trp
1 5 10 15

Ser Thr Leu Val Gln Glu Leu Glu Ala Ala Leu Gln Leu Ala Phe Tyr
20 25 30

Pro Asp Ala Val Glu Glu Trp Leu Glu Glu Asn Val His Pro Ser Leu
35 40 45

Gln Arg Leu Gln Xaa Leu Leu Gln Asp Leu Ser Glu Val Ser Ala Pro
50 55 60

Pro Leu Pro Pro Thr Ser Pro Gly Arg Asp Val Ala Gln Asp Pro Xaa
65 70 75 80

<210> 420
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals stop translation

<400> 420
 Met Leu Asn Gln Gly Tyr Ile Arg Lys Ile Ile Leu Ile Ile Leu
 1 5 10 15
 Gly Ser Phe Ser Ser Pro Lys Lys Ala Ile Leu Met Gly Phe Gln Asn
 20 25 30
 Gln Lys Lys Ala Leu Asn Glu Glu Gln Thr Thr Gly Val Pro Met Ser
 35 40 45
 Ile Ser Gly Lys Leu Arg Pro Ser Arg Ser Leu Asp Phe Val Gln Pro
 50 55 60
 Pro Arg Phe Gln Ser Gln Gln Pro Ser Ala Val Val Asp Arg Arg Gly
 65 70 75 80
 Phe Xaa Xaa Lys Ala Ala Arg Gly Gln Glu Phe Ser Glu Ser Xaa
 85 90 95

<210> 421
 <211> 257
 <212> PRT
 <213> Homo sapiens

<400> 421
 Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln
 1 5 10 15
 Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Val
 20 25 30
 Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro
 35 40 45
 Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr

50	55	60
His Glu Asn Gln Thr Lys Pro Ser Ile Ser Gln Ile Ser Thr Thr Leu		
65	70	75 80
Pro Pro Thr Thr Ser Thr Lys Lys Ser Gly Gly Ala Ser Val Val Pro		
	85	90 95
His Pro Ser Pro Thr Pro Leu Ser Gln Glu Glu Ala Asp Asn Asn Glu		
	100	105 110
Asp Pro Ser Ile Glu Glu Glu Asp Leu Leu Met Leu Asn Ser Ser Pro		
	115	120 125
Ser Thr Ala Lys Asp Thr Leu Asp Asn Gly Asp Tyr Gly Glu Pro Asp		
	130	135 140
Tyr Asp Trp Thr Thr Gly Pro Arg Asp Asp Asp Glu Ser Asp Asp Thr		
	145	150 155 160
Leu Glu Glu Asn Arg Gly Tyr Met Glu Ile Glu Gln Ser Val Lys Ser		
	165	170 175
Phe Lys Met Pro Ser Ser Asn Ile Glu Glu Glu Asp Ser His Phe Phe		
	180	185 190
Phe His Leu Ile Ile Phe Ala Phe Cys Ile Ala Val Val Tyr Ile Thr		
	195	200 205
Tyr His Asn Lys Arg Lys Ile Phe Leu Leu Val Gln Ser Arg Lys Trp		
	210	215 220
Arg Asp Gly Leu Cys Ser Lys Thr Val Glu Tyr His Arg Leu Asp Gln		
	225	230 235 240
Asn Val Asn Glu Ala Met Pro Ser Leu Lys Ile Thr Asn Asp Tyr Ile		
	245	250 255
Phe		

<210> 422

<211> 704

<212> PRT

<213> Homo sapiens

<400> 422

Met Trp Tyr Arg Leu Arg Leu Leu Lys Pro Gln Pro Asn Ile Ile Pro
1 5 10 15

Thr Val Lys Lys Ile Val Leu Leu Ala Gly Trp Ala Leu Phe Leu Phe
20 25 30

Leu Ala Tyr Lys Val Ser Lys Thr Asp Arg Glu Tyr Gln Glu Tyr Asn
35 40 45

Pro Tyr Glu Val Leu Asn Leu Asp Pro Gly Ala Thr Val Ala Glu Ile

50	55	60
Lys Lys Gln Tyr Arg Leu Leu Ser Leu Lys Tyr His Pro Asp Lys Gly		
65	70	75 80
Gly Asp Glu Val Met Phe Met Arg Ile Ala Lys Ala Tyr Ala Ala Leu		
	85	90 95
Thr Asp Glu Glu Ser Arg Lys Asn Trp Glu Glu Phe Gly Asn Pro Asp		
	100	105 110
Gly Pro Gln Ala Thr Ser Phe Gly Ile Ala Leu Pro Ala Trp Ile Val		
	115	120 125
Asp Gln Lys Asn Ser Ile Leu Val Leu Leu Val Tyr Gly Leu Ala Phe		
	130	135 140
Met Val Ile Leu Pro Val Val Val Gly Ser Trp Trp Tyr Arg Ser Ile		
	145	150 155 160
Arg Tyr Ser Gly Asp Gln Ile Leu Ile Arg Thr Thr Gln Ile Tyr Thr		
	165	170 175
Tyr Phe Val Tyr Lys Thr Arg Asn Met Asp Met Lys Arg Leu Ile Met		
	180	185 190
Val Leu Ala Gly Ala Ser Glu Phe Asp Pro Gln Tyr Asn Lys Asp Ala		
	195	200 205
Thr Ser Arg Pro Thr Asp Asn Ile Leu Ile Pro Gln Leu Ile Arg Glu		
	210	215 220
Ile Gly Ser Ile Asn Leu Lys Lys Asn Glu Pro Pro Leu Thr Cys Pro		
	225	230 235 240
Tyr Ser Leu Lys Ala Arg Val Leu Leu Leu Ser His Leu Ala Arg Met		
	245	250 255
Lys Ile Pro Glu Thr Leu Glu Glu Asp Gln Gln Phe Met Leu Lys Lys		
	260	265 270
Cys Pro Ala Leu Leu Gln Glu Met Val Asn Val Ile Cys Gln Leu Ile		
	275	280 285
Val Met Ala Arg Asn Arg Glu Glu Arg Glu Phe Arg Ala Pro Thr Leu		
	290	295 300
Ala Ser Leu Glu Asn Cys Met Lys Leu Ser Gln Met Ala Val Gln Gly		
	305	310 315 320
Leu Gln Gln Phe Lys Ser Pro Leu Leu Gln Leu Pro His Ile Glu Glu		
	325	330 335
Asp Asn Leu Arg Arg Val Ser Asn His Lys Lys Tyr Lys Ile Lys Thr		
	340	345 350
Ile Gln Asp Leu Val Ser Leu Lys Glu Ser Asp Arg His Thr Leu Leu		
	355	360 365

His	Phe	Leu	Glu	Asp	Glu	Lys	Tyr	Glu	Glu	Val	Met	Ala	Val	Leu	Gly	370	375	380	
Ser	Phe	Pro	Tyr	Val	Thr	Met	Asp	Ile	Lys	Ser	Gln	Val	Leu	Asp	Asp	385	390	395	400
Glu	Asp	Ser	Asn	Asn	Ile	Thr	Val	Gly	Ser	Leu	Val	Thr	Val	Leu	Val	405	410	415	
Lys	Leu	Thr	Arg	Gln	Thr	Met	Ala	Glu	Val	Phe	Glu	Lys	Glu	Gln	Ser	420	425	430	
Ile	Cys	Ala	Ala	Glu	Glu	Gln	Pro	Ala	Glu	Asp	Gly	Gln	Gly	Glu	Thr	435	440	445	
Asn	Lys	Asn	Arg	Thr	Lys	Gly	Gly	Trp	Gln	Gln	Lys	Ser	Lys	Gly	Pro	450	455	460	
Lys	Lys	Thr	Ala	Lys	Ser	Lys	Lys	Lys	Lys	Pro	Leu	Lys	Lys	Lys	Pro	465	470	475	480
Thr	Pro	Val	Leu	Leu	Pro	Gln	Ser	Lys	Gln	Gln	Lys	Gln	Lys	Gln	Ala	485	490	495	
Asn	Gly	Val	Val	Gly	Asn	Glu	Ala	Ala	Val	Lys	Glu	Asp	Glu	Glu	Glu	500	505	510	
Val	Ser	Asp	Lys	Gly	Ser	Asp	Ser	Glu	Glu	Glu	Glu	Thr	Asn	Arg	Asp	515	520	525	
Ser	Gln	Ser	Glu	Lys	Asp	Asp	Gly	Ser	Asp	Arg	Asp	Ser	Asp	Arg	Glu	530	535	540	
Gln	Asp	Glu	Lys	Gln	Asn	Lys	Asp	Asp	Glu	Ala	Glu	Trp	Gln	Glu	Leu	545	550	555	560
Gln	Gln	Ser	Ile	Gln	Arg	Lys	Glu	Arg	Ala	Leu	Leu	Glu	Thr	Lys	Ser	565	570	575	
Lys	Ile	Thr	His	Pro	Val	Tyr	Ser	Leu	Tyr	Phe	Pro	Glu	Glu	Lys	Gln	580	585	590	
Glu	Trp	Trp	Trp	Leu	Tyr	Ile	Ala	Asp	Arg	Lys	Glu	Gln	Thr	Leu	Ile	595	600	605	
Ser	Met	Pro	Tyr	His	Val	Cys	Thr	Leu	Lys	Asp	Thr	Glu	Glu	Val	Glu	610	615	620	
Leu	Lys	Phe	Pro	Ala	Pro	Gly	Lys	Pro	Gly	Asn	Tyr	Gln	Tyr	Thr	Val	625	630	635	640
Phe	Leu	Arg	Ser	Asp	Ser	Tyr	Met	Gly	Leu	Asp	Gln	Ile	Lys	Pro	Leu	645	650	655	
Lys	Leu	Glu	Val	His	Glu	Ala	Lys	Pro	Val	Pro	Glu	Asn	His	Pro	Gln	660	665	670	

Trp Asp Thr Ala Ile Glu Gly Asp Glu Asp Gln Glu Asp Ser Glu Gly
 675 680 685

Phe Glu Asp Ser Phe Glu Glu Glu Glu Glu Glu Glu Asp Asp Asp
 690 695 700

<210> 423

<211> 190

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 423

Met Lys Ala Ser Gln Cys Cys Cys Cys Leu Ser His Leu Leu Ala Ser
 1 5 10 15

Val Leu Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val
 20 25 30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Leu Gly Pro Pro Asp Pro
 35 40 45

Arg Pro Arg Thr Leu Pro Pro Leu Pro Pro Gly Pro Thr Pro Ala Gln
 50 55 60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Pro Arg Gly Ser Glu
 65 70 75 80

Gly Gly Asn Gly Ser Asn Pro Val Ala Gly Leu Glu Thr Asp Asp His
 85 90 95

Gly Gly Lys Ala Gly Glu Gly Ser Val Gly Gly Gly Leu Ala Val Ser
 100 105 110

Pro Asn Pro Gly Asp Lys Pro Met Thr Gln Arg Ala Leu Thr Val Leu
 115 120 125

Met Val Val Ser Gly Ala Val Leu Val Tyr Phe Val Val Arg Thr Val
 130 135 140

Arg Met Arg Arg Arg Asn Arg Lys Thr Arg Arg Tyr Gly Val Leu Asp
 145 150 155 160

Thr Asn Ile Glu Asn Met Glu Leu Thr Pro Leu Glu Gln Asp Asp Glu
 165 170 175

Asp Asp Asp Asn Thr Leu Phe Asp Ala Asn His Pro Arg Arg
 180 185 190

<210> 424

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (179)

<223> Xaa equals stop translation

<400> 424

Met Ser Pro Ser Gly Arg Leu Cys Leu Leu Thr Ile Val Gly Leu Ile
 1 5 10 15

Leu Pro Thr Arg Gly Gln Thr Leu Lys Asp Thr Thr Ser Ser Ser Ser
 20 25 30

Ala Asp Ser Thr Ile Met Asp Ile Gln Val Pro Thr Arg Ala Pro Asp
 35 40 45

Ala Val Tyr Thr Glu Leu Gln Pro Thr Ser Pro Thr Pro Thr Trp Pro
 50 55 60

Ala Asp Glu Thr Pro Gln Pro Gln Thr Gln Thr Gln Gln Leu Glu Gly
 65 70 75 80

Thr Asp Gly Pro Leu Val Thr Asp Pro Glu Thr His Lys Ser Thr Lys
 85 90 95

Ala Ala His Pro Thr Asp Asp Thr Thr Thr Leu Ser Glu Arg Pro Ser
 100 105 110

Pro Ser Thr Asp Val Gln Thr Asp Pro Gln Thr Leu Lys Pro Ser Gly
 115 120 125

Phe His Glu Asp Asp Pro Phe Phe Tyr Asp Glu His Thr Leu Arg Lys
 130 135 140

Arg Gly Leu Leu Val Ala Ala Val Leu Phe Ile Thr Gly Ile Ile Ile
 145 150 155 160

Leu Thr Ser Gly Lys Cys Arg Gln Leu Ser Arg Leu Cys Arg Asn His
 165 170 175

Cys Arg Xaa

<210> 425

<211> 40

<212> PRT

<213> Homo sapiens.

<400> 425

Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Leu Asp Phe Thr
 1 5 10 15

Trp Glu Ser Lys Val Gln Phe His Lys Ala Ser Val Tyr Leu Ser Leu
 20 25 30

Ser Ile Tyr Ile Asp Cys His Ala
 35 40

<210> 426

<211> 232

<212> PRT

<213> Homo sapiens

<400> 426

Met Leu Ala Gly Lys Leu Ile Pro Val His Gln Val Arg Gly Leu Lys
 1 5 10 15

Glu Lys Ile Val Arg Ser Phe Glu Val Ser Pro Asp Gly Ser Phe Leu
 20 25 30

Leu Ile Asn Gly Ile Ala Gly Tyr Leu His Leu Leu Ala Met Lys Thr
 35 40 45

Lys Glu Leu Ile Gly Ser Met Lys Ile Asn Gly Arg Val Ala Ala Ser
 50 55 60

Thr Phe Ser Ser Asp Ser Lys Lys Val Tyr Ala Ser Ser Gly Asp Gly
 65 70 75 80

Glu Val Tyr Val Trp Asp Val Asn Ser Arg Lys Cys Leu Asn Arg Phe
 85 90 95

Val Asp Glu Gly Ser Leu Tyr Gly Leu Ser Ile Ala Thr Ser Arg Asn
 100 105 110

Gly Gln Tyr Val Ala Cys Gly Ser Asn Cys Gly Val Val Asn Ile Tyr
 115 120 125

Asn Gln Asp Ser Cys Leu Gln Glu Thr Asn Pro Lys Pro Ile Lys Ala
 130 135 140

Ile Met Asn Leu Val Thr Gly Val Thr Ser Leu Thr Phe Asn Pro Thr
 145 150 155 160

Thr Glu Ile Leu Ala Ile Ala Ser Glu Lys Met Lys Glu Ala Val Arg
 165 170 175

Leu Val His Leu Pro Ser Cys Thr Val Phe Ser Asn Phe Pro Val Ile
 180 185 190

Lys Asn Lys Asn Ile Ser His Val His Thr Met Asp Phe Ser Pro Arg
 195 200 205

Ser Gly Tyr Phe Ala Leu Gly Asn Glu Lys Gly Lys Ala Leu Met Tyr
 210 215 220

Arg Leu His His Tyr Ser Asp Phe
225 230

<210> 427
<211> 250
<212> PRT
<213> Homo sapiens

<400> 427
Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val
1 5 10 15

Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser
20 25 30

Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly
35 40 45

Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
50 55 60

Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu
65 70 75 80

Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro
85 90 95

Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met
100 105 110

Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro
115 120 125

Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile
130 135 140

Ser Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr
145 150 155 160

Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn
165 170 175

Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln
180 185 190

Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val
195 200 205

Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys
210 215 220

Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val
225 230 235 240

Asp Trp Ile Gln Glu Thr Met Lys Asn Asn
245 250

<210> 428
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 428
 Met Trp Thr Lys Asn Asp Lys Leu Lys Lys Phe Phe Phe Leu Arg Tyr
 1 5 10 15
 Leu Gln Asn Met Val Tyr Phe Tyr Val Glu Lys Lys Ser Tyr Glu Gly
 20 25 30
 Ser Cys Tyr Phe Lys Arg Lys Phe Ile Lys Ser Pro Arg Gly Met Lys
 35 40 45
 Met Thr Ala Cys Phe Ser Ile Ile Leu Ala
 50 55

<210> 429
 <211> 219
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (219)
 <223> Xaa equals stop translation

<400> 429
 Met Ala Val Val Leu Leu Ala Asn Leu Ala Gln Gly Asp Ser Leu Ala
 1 5 10 15
 Ala Arg Ala Ile Ala Val Gln Lys Gly Ser Ile Gly Asn Leu Leu Gly
 20 25 30
 Phe Leu Glu Asp Ser Leu Ala Ala Thr Gln Phe Gln Gln Ser Gln Ala
 35 40 45
 Ser Leu Leu His Met Gln Asn Pro Pro Phe Glu Pro Xaa Ser Val Asp
 50 55 60

Met Met Arg Arg Ala Ala Arg Ala Leu Leu Ala Leu Ala Lys Val Asp
65 70 75 80

Glu Asn His Ser Glu Phe Thr Leu Tyr Glu Ser Arg Leu Leu Asp Ile
85 90 95

Ser Val Ser Pro Leu Met Asn Ser Xaa Val Ser Gln Val Ile Cys Asp
100 105 110

Val Leu Phe Leu Xaa Trp Pro Val Met Thr Ala Val Gly His Leu Pro
115 120 125

Pro Pro Cys Val Cys Ala Cys Val Glu Asn Leu Glu Thr Asp Cys Cys
130 135 140

Pro Leu Phe Met Gln Asn His Leu Arg Ile Gln Phe Thr Leu Cys Cys
145 150 155 160

Pro Ala Ser Pro Leu Gly Lys Ser Leu Ser Cys Phe Ser Leu Leu Leu
165 170 175

Pro Pro Pro Leu Pro Pro Ser Pro His Ala Phe Leu Phe Leu Val Leu
180 185 190

Thr Leu Leu Pro Ser Gly Pro Tyr Pro Thr Leu Phe Glu Lys Thr Lys
195 200 205

Leu Cys Leu His Arg Arg Leu Phe Leu Phe Xaa
210 215

<210> 430

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 430

Met Leu Pro Asp Glu Ser Phe Gly Leu Leu Leu Ser Ile Pro Ser Leu
1 5 10 15

Thr Pro Ser Ala Ala Ala Pro Ser Phe Cys Val His Leu Met Gln Ala
20 25 30

Ser Arg Ser Ser Lys Arg Ala Ser His Val Pro Val His Leu Leu Trp
35 40 45

Gly Asp Xaa
50

<210> 431

<211> 50

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals stop translation

<400> 431
 Met Arg Pro Gly Ser Phe Ser Phe Ile Ala Phe Leu Ala Thr Glu Val
 1 5 10 15
 Ser Ser Cys Phe Pro Gly Arg Pro Asp Cys Xaa Thr Gly Met Trp Leu
 20 25 30
 Leu Gln Leu Gln Lys Lys Gln Arg Thr Leu Leu Ala Met Ala Pro Arg
 35 40 45
 Arg Xaa
 50

<210> 432
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

<400> 432
 Asp Arg Pro Cys Pro Ser Ser Leu Trp Lys Val Phe Pro Leu Leu Leu
 1 5 10 15
 Leu Leu Met Arg Leu Phe Pro Leu Pro Val Pro Gly Asn Gln Arg Ala
 20 25 30

Xaa Leu Pro His Pro Phe Xaa Ala Pro Arg Leu Pro Cys Leu Leu Cys
35 40 45

Leu Cys Thr Gln Gln Phe Xaa Val Cys Ser His Tyr Leu Pro Ala Gly
50 55 60

Tyr Arg Val Asn Ser Xaa
65 70

<210> 433

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 433

Met His Glu Lys Ala Trp Asn Leu Ile Leu Leu Trp Trp Leu Ser Leu
1 5 10 15

Asp Leu Leu Gly Val Ala Lys Thr Ala Met Trp Ala Gln Trp Cys Gly
20 25 30

Leu Asn Asp His Lys Gly Lys Xaa
35 40

<210> 434

<211> 104

<212> PRT

<213> Homo sapiens

<400> 434

Met Ala Phe Val Leu Leu Phe Cys Phe Val Gly Leu Gln Ser Ser Arg
1 5 10 15

Ala Gly Pro Tyr Ser Glu Leu Val Leu Cys Gln Thr Pro Ala Ser Ala
20 25 30

Pro Asp Pro Val Ser Thr Leu Cys Val Leu Glu Glu Glu Pro Leu Asp
35 40 45

Ala Tyr Pro Asp Ser Pro Ser Ala Cys Leu Val Leu Asn Trp Glu Glu
50 55 60

Pro Cys Asn Asn Gly Ser Glu Ile Leu Ala Tyr Thr Ile Asp Leu Gly
65 70 75 80

Asp Thr Ser Ile Thr Val Gly Asn Thr Thr Met His Val Met Lys Asp
85 90 95

Leu Leu Pro Glu Thr Thr Tyr Arg
100

<210> 435
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 435
 Met Phe Ser Leu Leu Trp Leu Val Cys Val Pro Ser Asn Ser Ser Val
 1 5 10 15
 Ala Asn Val Thr Ala Ser Arg Gly Gly Val Phe Lys Arg Ser Leu Gly
 20 25 30
 His Glu Gly Phe Ser Xaa
 35

<210> 436
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 436
 Lys Trp Leu Leu Phe Ile Phe Leu Leu Cys Leu Gln Leu Val Asn Ala
 1 5 10 15
 Leu Leu Ser Leu Phe Gln Glu Arg Phe Val His Cys Pro Ala Arg Phe
 20 25 30
 Val Ser Xaa
 35

<210> 437
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 437
 Met Leu Leu Phe Leu Ser Ile Thr Asn Ser Leu Ser Phe Ile Ser Val
 1 5 10 15

Asp Lys Pro Phe Gly Gln Ser Glu Asp Val Cys Pro Val Ile Ser Xaa
 20 25 30

<210> 438
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals stop translation

<400> 438
 Met Glu Phe Leu Phe Asn Lys Thr Gly Trp Ala Phe Ala Ala Leu Cys
 1 5 10 15
 Phe Val Leu Ala Met Thr Ser Gly Gln Met Trp Asn His Ile Arg Gly
 20 25 30
 Pro Pro Tyr Ala His Lys Asn Pro His Thr Gly His Val Asn Tyr Ile
 35 40 45
 His Gly Ser Ser Gln Ala Gln Phe Val Ala Glu Thr His Ile Val Leu
 50 55 60
 Leu Phe Asn Gly Gly Val Thr Leu Gly Met Val Leu Leu Cys Glu Ala
 65 70 75 80
 Ala Thr Ser Asp Met Asp Ile Gly Lys Arg Lys Ile Met Cys Val Ala
 85 90 95
 Gly Ile Gly Leu Val Val Leu Phe Phe Ser Trp Met Leu Ser Ile Phe
 100 105 110
 Arg Ser Lys Tyr His Gly Tyr Pro Tyr Ser Phe Leu Met Ser Xaa
 115 120 125

<210> 439
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals stop translation

<400> 439

Met Thr Trp His Ser Arg Glu Ser Phe Xaa Leu Leu Arg Val Val Ala
 1 5 10 15

Pro Ser Gln Ala Pro Gly Met Gln Val Ser Pro Ser Gln Arg Ala Trp
 20 25 30

Arg Arg Pro Leu His Arg Cys His Val Ala Ala Pro Arg Pro His His
 35 40 45

Phe Ala Phe Phe Arg Asn Pro Phe Ser Trp Ser Phe Ile Lys Leu Leu
 50 55 60

Tyr Arg Tyr Leu Xaa
 65

<210> 440

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals stop translation

<400> 440

Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15

Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30

Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Thr
 35 40 45

Trp Pro Thr Thr Arg Ser Leu Gly Arg Gln Asp Glu His Gln Asp Arg
 50 55 60

Val His Ile Leu Gly Gly Phe Pro Gln Leu His Gly His Ser Pro Tyr
 65 70 75 80

Gly Leu Pro Gly Arg Gly Glu Arg Tyr Val Gly Xaa
 85 90

<210> 441

<211> 380

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (296)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (380)

<223> Xaa equals stop translation

<400> 441

Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp Ser
1 5 10 15

Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln
20 25 30

Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu
35 40 45

Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala
50 55 60

Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile
65 70 75 80

Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln
85 90 95

Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly
100 105 110

Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro
115 120 125

His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln
130 135 140

Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu
145 150 155 160

Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr
165 170 175

Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys
180 185 190

Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His
195 200 205

Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys
210 215 220

Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
225 230 235 240

Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys
245 250 255

Phe Tyr Pro Gly Lys Cys Ile Xaa Pro Pro Gly Leu Glu Gly Glu Gln
 260 265 270
 Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys
 275 280 285
 Ile Gly Lys Ser Lys Cys Lys Xaa Ser Lys Gly Tyr Gln Gly Asp Leu
 290 295 300
 Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys
 305 310 315 320
 His Glu Pro Asn Lys Cys Gln Cys Gln Glu Gly Trp His Gly Arg His
 325 330 335
 Cys Asn Lys Arg Tyr Glu Ala Ser Leu Ile His Ala Leu Arg Pro Ala
 340 345 350
 Gly Ala Gln Leu Arg Gln His Thr Pro Ser Leu Lys Lys Ala Glu Glu
 355 360 365
 Arg Arg Asp Pro Pro Glu Ser Asn Tyr Ile Trp Xaa
 370 375 380

<210> 442

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 442

Met Thr Ser Asn Leu Leu Leu Thr Leu Leu Lys Asp Thr Leu
 1 5 10 15

Xaa Leu Ala Lys Xaa Asn Xaa Xaa
 20

<210> 443
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 443

Met	Arg	His	His	Thr	Gln	Leu	Asn	Phe	Ile	Phe	Leu	Val	Glu	Met	Val
1				5					10					15	
Phe	Leu	His	Val	Gly	Gln	Ala	Gly	Leu	Lys	Leu	Pro	Thr	Ser	Gly	Asp
		20					25						30		
Xaa	Ala	Cys	Phe	Gly	Leu	Pro	Lys	Val	Leu	Gly	Leu	Gln	Ala	Xaa	
		35					40						45		

<210> 444
 <211> 214
 <212> PRT
 <213> Homo sapiens

<400> 444

Met	Gln	Val	Thr	Ile	Thr	Leu	Thr	Ser	Pro	Ile	Ile	Arg	Glu	Glu	Asn
1				5					10					15	
Met	Arg	Glu	Gly	Asp	Val	Thr	Ser	Gly	Met	Val	Lys	Asp	Pro	Pro	Asp
		20						25					30		
Val	Leu	Asp	Arg	Gln	Lys	Cys	Leu	Asp	Ala	Leu	Ala	Ala	Leu	Arg	His
		35					40					45			
Ala	Lys	Trp	Phe	Gln	Ala	Arg	Ala	Asn	Gly	Leu	Gln	Ser	Cys	Val	Ile
	50					55					60				
Ile	Ile	Arg	Ile	Leu	Arg	Asp	Leu	Cys	Gln	Arg	Val	Pro	Thr	Trp	Ser
65				70						75				80	
Asp	Phe	Pro	Ser	Trp	Ala	Met	Glu	Leu	Leu	Val	Glu	Lys	Ala	Ile	Ser
			85					90						95	
Ser	Ala	Ser	Ser	Pro	Gln	Ser	Pro	Gly	Asp	Ala	Leu	Arg	Arg	Val	Phe
		100						105					110		
Glu	Cys	Ile	Ser	Ser	Gly	Ile	Ile	Leu	Lys	Gly	Ser	Pro	Gly	Leu	Leu
		115					120						125		
Asp	Pro	Cys	Glu	Lys	Asp	Pro	Phe	Asp	Thr	Leu	Ala	Thr	Met	Thr	Asp
	130						135						140		

Gln Gln Arg Glu Asp Ile Thr Ser Ser Ala Gln Phe Ala Leu Arg Leu
 145 150 155 160

Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu Pro
 165 170 175

Gln Met Ser Gln Arg Phe Asn Ile His Asn Asn Arg Lys Arg Arg Arg
 180 185 190

Asp Ser Asp Gly Val Asp Gly Phe Glu Ala Glu Gly Lys Lys Asp Lys
 195 200 205

Lys Asp Tyr Asp Asn Phe
 210

<210> 445
 <211> 144
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (144)
 <223> Xaa equals stop translation

<400> 445
 Leu Leu Ser Ile Leu Leu Cys Leu Leu Ala Ser Gly Leu Val Val Phe
 1 5 10 15

Phe Leu Phe Pro His Ser Val Leu Val Asp Asp Asp Gly Ile Lys Val
 20 25 30

Val Lys Val Thr Phe Asn Lys Gln Asp Ser Leu Val Ile Leu Thr Ile
 35 40 45

Met Ala Thr Leu Lys Ile Arg Asn Ser Asn Phe Tyr Thr Val Ala Val
 50 55 60

Thr Ser Leu Ser Ser Gln Ile Gln Tyr Met Asn Thr Val Val Asn Phe
 65 70 75 80

Thr Gly Lys Ala Glu Met Gly Gly Pro Phe Ser Tyr Val Tyr Phe Phe
 85 90 95

Cys Thr Val Pro Glu Ile Leu Val His Asn Ile Val Ile Phe Met Arg
 100 105 110

Thr Ser Val Lys Ile Ser Tyr Ile Gly Leu Met Thr Gln Ser Ser Leu
 115 120 125

Glu Thr His His Tyr Val Asp Cys Gly Gly Asn Ser Thr Ala Ile Xaa
 130 135 140

<210> 446
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 446
 Met Phe Phe Phe Leu Tyr Val Tyr Ser Val Leu Cys Gly Leu Leu Val
 1 5 10 15
 Tyr Pro Ser Leu Pro Ser His Ser Val Ser Leu Val Thr Ser Leu Val
 20 25 30
 Ala Ser Ala Leu Xaa
 35

<210> 447
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 447
 Met Ala Ser Ile Asn Ala Val Tyr Ile His Val Phe Leu Gly Val Cys
 1 5 10 15
 Val Gln Ala Thr Ala Ala Cys Pro Trp Cys Ser Gln Cys Arg Xaa Gly
 20 25 30
 Ser Val Pro Ser Xaa
 35

<210> 448
 <211> 192
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<210> 446
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 446
 Met Phe Phe Phe Leu Tyr Val Tyr Ser Val Leu Cys Gly Leu Leu Val
 1 5 10 15
 Tyr Pro Ser Leu Pro Ser His Ser Val Ser Leu Val Thr Ser Leu Val
 20 25 30

Ala Ser Ala Leu Xaa
 35

<210> 447
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 447
 Met Ala Ser Ile Asn Ala Val Tyr Ile His Val Phe Leu Gly Val Cys
 1 5 10 15
 Val Gln Ala Thr Ala Ala Cys Pro Trp Cys Ser Gln Cys Arg Xaa Gly
 20 25 30

Ser Val Pro Ser Xaa
 35

<210> 448
 <211> 192
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (192)

<223> Xaa equals stop translation

<400> 448

Met Met Ala Ala Met Val Leu Thr Ser Leu Ser Cys Ser Pro Val Val
 1 5 10 15

Gln Ser Pro Pro Gly Thr Glu Ala Asn Phe Ser Ala Ser Arg Ala Ala
 20 25 30

Cys Asp Pro Trp Lys Glu Ser Gly Asp Ile Ser Asp Ser Gly Xaa Ser
 35 40 45

Thr Thr Ser Gly His Trp Ser Gly Ser Ser Gly Val Ser Thr Pro Ser
 50 55 60

Pro Pro His Pro Gln Ala Ser Pro Lys Tyr Leu Gly Asp Ala Phe Gly
 65 70 75 80

Ser Pro Gln Thr Asp His Gly Phe Glu Thr Asp Pro Asp Pro Phe Leu
 85 90 95

Leu Asp Glu Pro Ala Pro Arg Lys Arg Lys Asn Ser Val Lys Val Met
 100 105 110

Tyr Lys Cys Leu Trp Pro Asn Cys Gly Lys Val Leu Arg Ser Ile Val
 115 120 125

Gly Ile Lys Arg His Val Lys Ala Leu His Leu Gly Asp Thr Val Asp
 130 135 140

Ser Asp Gln Phe Lys Arg Glu Glu Asp Phe Tyr Tyr Thr Glu Val Gln
 145 150 155 160

Leu Lys Glu Glu Ser Ala Ala Ala Ala Ala Ala Ala Ala Asp Pro
 165 170 175

Gln Ser Leu Gly Leu Pro Pro Pro Ser Gln Leu Pro Pro Pro Ala Xaa
 180 185 190

<210> 449

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 449

Met Ser Thr Asn Tyr Leu Thr Asp Val Cys Ser Leu Phe Ser Tyr Leu

1 5 10 15

Asn Tyr Leu Tyr Phe His His His Leu Pro Val Pro Asn Thr Xaa
 20 25 30

<210> 450
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals stop translation

<400> 450
 Met Gly Phe Phe Phe Val Leu Phe Phe Leu Tyr Leu Ala Leu Ser Arg
 1 5 10 15

Asp Trp Ser Ile Asn Phe Leu Lys Asp His Arg Ile Asn Phe Phe Val
 20 25 30

Ala Thr Ser Tyr Phe Ser Val Tyr Val Arg Gly Xaa Pro Xaa Val Pro
 35 40 45

Ala Asp Thr Pro Leu Gly Pro Leu Leu Ser Leu Trp Leu His His Asn
 50 55 60

Ala Phe Phe Ser Ile Leu Pro Lys Phe Pro Glu Asn Xaa Xaa Phe Leu
 65 70 75 80

Ile Leu Lys Lys Leu Val Val Glu Met Gly Trp Asp Leu Phe Ile Ser
 85 90 95

Pro Glu Asn Lys Xaa
 100

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<220>
<221> SITE
<222> (37)
<223> Xaa equals stop translation
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<210> 452
<211> 42
<212> PRT
<213> Homo sapiens
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<400> 452
Phe Ser Thr Ile Arg Ser Gly Leu Thr Asp Arg Ser Val Asn Phe Leu
  1                               5                               10                               15
Phe Leu Phe Leu Asp Val Pro Asp Cys Arg Leu Val Asn Ile Glu Leu
                20                               25                               30
Met Ala Asn Ser Thr Val Thr His Ala Xaa
    35                               40

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<400> 453
Met Ser Glu Trp Glu Leu Ser Ser Lys Phe Ser Gln Thr Gln Arg Gln
  1                      5                      10                      15

His Cys Leu Leu Leu Asn Asp Tyr Ser Phe Leu Pro Val Phe Trp Tyr
          20                      25                      30

Phe Leu Gly Ile Leu Leu Thr Thr Ala Ile Thr Leu Phe Tyr Phe His
      35                      40                      45

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<210> 454
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 454
 Met Pro Trp Arg Arg Ala Gly Leu Met Met Leu Pro Ile Ile Thr Gly
 1 5 10 15

Cys Cys Pro Cys Ser Ala Ser Ile Xaa
 20 25

<210> 455
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 455
 Met Tyr Leu Cys Lys Thr Val Lys Val Leu Ile Cys Tyr Asp Trp Ile
 1 5 10 15

Leu Gly Leu Val Ser Ser Gly Gln His Trp Val Val Ser Leu Ser Tyr
 20 25 30

Ser Ile Arg Val Tyr Pro Ala Met His Phe Thr Leu Cys Val His Ile
 35 40 45

Tyr Ser Lys Glu Pro Cys
 50

<210> 456
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 456
 Met Thr Ala Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys
 1 5 10 15

Pro Ile Leu Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His
 20 25 30

Ser Phe Ile His Ser Ser Asn Ile Cys Xaa
 35 40

<210> 457
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals stop translation

<400> 457
 Met Phe Leu Thr Thr Trp Phe Leu Leu Leu Ser Val Ala Trp Xaa Ala
 1 5 10 15
 Leu Thr Arg Ser Gly Arg Ser Cys Leu Pro Leu Val Gly Arg Pro Arg
 20 25 30
 Glu Gln Ser Pro Arg Thr His Cys Ala Ala Ser Ser Thr Lys Glu Arg
 35 40 45
 Asn Ser Asp Pro Gln Pro Ser Pro Pro Glu Val Val Gly Pro Leu Trp
 50 55 60
 Ser Xaa
 65

<210> 458
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 458
 Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15
 Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30
 Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45
 Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys
 50 55 60
 Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu
 65 70 75 80
 Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn

85

90

95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile
 100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe
 115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala
 130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
 145 150 155

<210> 459

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 459

Met Asn Asp Asn Ser Pro Asn His Ser Ser Ser Tyr Leu Pro Leu Pro
 1 5 10 15

Leu Thr Ile Val Ile Leu Gln Thr Gly His Lys Gly Thr Leu Xaa
 20 25 30

<210> 460

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (57)

<223> Xaa equals stop translation

<400> 460

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu
 1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys
 20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys
 35 40 45

Gly Asp Leu Leu Lys Cys Pro Leu Xaa
 50 55

<210> 461

<211> 416
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (338)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (416)
 <223> Xaa equals stop translation

<400> 461

Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro
 1 5 10 15

Val His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys
 20 25 30

Thr Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg
 35 40 45

Gly Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His
 50 55 60

Arg Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp
 65 70 75 80

Val Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr
 85 90 95

Lys Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln
 100 105 110

Leu Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp
 115 120 125

Val Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu
 130 135 140

His Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe
 145 150 155 160

Arg Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr
 165 170 175

Val Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu
 180 185 190

Val Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Gly Leu Ile His Met
 195 200 205

Leu Thr His Leu Ala Glu Ala Leu His Gln Ala Arg Leu Leu Ala Leu
 210 215 220

Leu Val Ile Pro Pro Ala Ile Thr Pro Gly Thr Asp Gln Leu Gly Met

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<210> 462
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56).
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 462
Met Ala Pro Gly Pro Leu Ser Ala Thr Gln Ala Val Val Ile His Thr
  1              5              10              15
Thr His Cys Leu Gln Leu Pro Val Trp Cys Leu Ser Leu Val Ser Glu
              20              25              30
Leu Leu Gly Arg Ala Pro Pro His Asn Lys Asp Ala Leu Arg Pro Ser
  35              40              45

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Lys Lys Lys Lys Lys Lys Leu Xaa Gly Gly Pro Val Pro Ile Pro Pro
 50 55 60

<210> 463

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (206)

<223> Xaa equals stop translation

<400> 463

Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro
 1 5 10 15

Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala
 20 25 30

Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 35 40 45

Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 50 55 60

Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Ala Ala Val Arg Ser Xaa
 65 70 75 80

His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Xaa Gly Ala Ile
 85 90 95

Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 100 105 110

Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 115 120 125

His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 130 135 140

Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 145 150 155 160

Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
 165 170 175

Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Asn Leu Leu Gly Gly Trp
 180 185 190

Lys Tyr Ser Ser Phe Ser Gly Phe Leu Ile Phe Pro Leu Xaa
 195 200 205

<210> 464

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 464

Met Gln Arg Lys Val Ser Asp Phe Ile Ile His Gln Arg Leu Thr Val
 1 5 10 15

Asn Leu Cys Val Ile Ser Phe Phe Phe Phe Leu Pro Ile Cys Ile Phe
 20 25 30

Ser Leu Ala Lys Lys Xaa
 35

<210> 465

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals stop translation

<400> 465

Val Val Gly Thr Gly Thr Ser Leu Ala Leu Ser Ser Leu Leu Ser Leu
 1 5 10 15

Leu Leu Phe Ala Gly Met Gln Met Tyr Ser Arg Gln Leu Ala Ser Thr
 20 25 30

Glu Trp Leu Thr Ile Gln Gly Gly Leu Leu Gly Ser Gly Leu Phe Val
 35 40 45

Phe Ser Leu Thr Ala Phe Asn Asn Leu Glu Asn Leu Val Phe Gly Lys
 50 55 60

Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu Leu Leu
 65 70 75 80

Ala Leu Phe Ala Ser Gly Leu Ile His Arg Val Cys Val Thr Thr Cys
 85 90 95

Phe Ile Phe Ser Met Val Gly Leu Tyr Tyr Ile Asn Lys Ile Ser Ser
 100 105 110

Thr Leu Tyr Gln Ala Ala Ala Pro Val Leu Thr Pro Ala Lys Val Thr
 115 120 125

Gly Lys Ser Lys Lys Arg Asn Xaa
 130 135

<210> 466

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals stop translation

<400> 466

Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe
 1 5 10 15

Xaa Xaa Phe Ser Ile Thr Ser Glu Xaa Glu Thr Phe Tyr Met Ile Ile
 20 25 30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe
 35 40 45

Leu Xaa
 50

<210> 467

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals stop translation

<400> 467
 Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu
 1 5 10 15
 Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Xaa Leu Phe Gly Leu Ile
 20 25 30
 Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Leu Ser Val Pro
 35 40 45
 Xaa Leu Ser Cys Ala Ser His Pro Tyr Cys Asn Cys Pro Met Ser Thr
 50 55 60
 Ser Cys Pro Leu Pro Arg Xaa
 65 70

<210> 468
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals stop translation

<400> 468
 Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro Pro
 1 5 10 15
 Cys Leu Leu Ser Thr Val Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys
 20 25 30
 Leu Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val
 35 40 45
 Glu Phe Ile Lys Thr Ile Asp Asp Arg Lys Xaa
 50 55

<210> 469
 <211> 59
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 469

Met	Phe	Ser	Arg	Thr	Ser	Asn	Phe	Trp	Thr	Phe	Phe	Phe	Gln	Phe	Leu
1					5				10					15	

Ile	Phe	Lys	Val	Phe	Leu	Val	Leu	Lys	Asn	Xaa	Phe	Thr	Ser	Gln	Lys
		20						25						30	

Ile	Xaa	Xaa	Ile	Xaa	Xaa	Glu	Lys	Pro	Lys	Lys	Lys	Lys	Xaa	Arg	Gly
		35						40					45		

Gly	Arg	Ala	Pro	Ser	Pro	Gln	Gly	Gly	Pro	Xaa
	50						55			

<210> 470

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 470
 Met Ser Ser Leu Leu Ser Ala Gly Leu Gln Ala Ser Leu Cys Gly Lys
 1 5 10 15

Xaa Leu Trp Ala Ser Thr Trp Tyr Leu Val Cys Cys Leu Leu Pro Phe
 20 25 30

Phe His Gln Gly Cys Cys Asp His Lys Ser Lys Gln Gln Tyr Ile Pro
 35 40 45

Asn Leu Lys Ser Tyr Cys Gly Leu Ser Thr Ile Glu Ile Xaa
 50 55 60

<210> 471
 <211> 316
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (302)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (305)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (316)
 <223> Xaa equals stop translation

<400> 471
 Met Ser Thr Lys Lys Leu Cys Ile Val Gly Gly Ile Leu Leu Val Phe
 1 5 10 15

Gln Ile Ile Ala Phe Leu Val Gly Gly Leu Ile Ala Pro Gly Pro Thr
 20 25 30

Thr Ala Val Ser Tyr Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn
 35 40 45

His His Lys Thr Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp

50 55 60
 Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn
 65 70 75 80
 Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser
 85 90 95
 Pro Trp Phe Gln Phe Met Xaa Phe Ile Leu Gln Leu Asp Ile Ala Phe
 100 105 110
 Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val
 115 120 125
 Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala
 130 135 140
 His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys
 145 150 155 160
 Thr Pro Glu His Gly Gly Pro Val Thr Met Asn Val Met Ser Phe Leu
 165 170 175
 Ser Trp Lys Leu Gly Leu Trp Pro Met Lys Phe Tyr Leu Leu Asn Ile
 180 185 190
 Arg Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu
 195 200 205
 Ile Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr
 210 215 220
 Lys Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile
 225 230 235 240
 Ile Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro
 245 250 255
 Val Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe
 260 265 270
 Ile Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp
 275 280 285
 Met Leu Leu Phe Gly Asp Ile Arg Gln Ala Ser Ser Met Xaa Cys Phe
 290 295 300
 Xaa Pro Ser Gly Ser Ser Ser Val Ala Ser Thr Xaa
 305 310 315

<210> 472

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

Pro Ala Gly Ala Cys Gly Gly Glu Pro Cys Gln Arg Leu Gln Gly Gln
50 55 60

Val Gln Pro Pro His Arg Gln Gly Ser Ser Gln Arg Arg Ser Pro His
 65 70 75 80

Ala Thr Gly Gln Xaa
 85

<210> 475
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 475
 Met Leu Pro Ala Leu Ser Thr Val Leu Leu Pro Thr Pro Ser Leu Cys
 1 5 10 15

Ser Gly Asn Pro Arg Glu Gly Trp Ala Xaa
 20 25

<210> 476
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 476
 Lys Glu Phe Phe Val Phe Leu Phe Val Cys Leu Phe Trp Leu Leu Ser
 1 5 10 15

Asn Thr Pro Leu Thr Phe Ile Ser Ile Ile Leu Gln Arg Lys Glu Thr
 20 25 30

Asn Xaa

<210> 477
 <211> 172
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (151)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals stop translation

<400> 477

Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val Ile Cys Tyr
1 5 10 15

Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu Pro Trp Ala
20 25 30

Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val Tyr Ser Gly
35 40 45

Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met Gly Leu Thr
50 55 60

Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser Thr Phe Pro
65 70 75 80

Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile Leu Val Phe
85 90 95

Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp Lys Arg Pro
100 105 110

Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly Thr Glu Gln
115 120 125

Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn Met Asp Lys
130 135 140

Ser Asp Ser Glu Leu Asn Xaa Glu Val Ala Ala Arg Lys Arg Asn Leu
145 150 155 160

Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met Xaa
165 170

<210> 478

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals stop translation

<400> 478

Met Cys Ile His Val Phe Met Xaa Val Leu Trp Val Leu Phe Leu Leu
 1 5 10 15

Asn Pro Leu Cys Thr Gly Leu Trp Pro Leu Xaa Asn Cys Phe Ser Val
 20 25 30

Leu Arg His Ala Asp Trp Val Leu Gly Ala Asp Tyr Lys Gly Glu Glu
 35 40 45

Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp Xaa
 50 55 60

<210> 479

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals stop translation

<400> 479

Gly Arg Xaa
 1

<210> 480

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals stop translation

<400> 480

Met Phe His Val Leu Met Ala Gln Val Thr Xaa Val Ile Ile Thr Thr
 1 5 10 15

Val Ser Val Leu Val Phe Asp Phe Arg Pro Ser Leu Glu Phe Phe Leu
 20 25 30

Glu Ala Xaa Ser Val Xaa Leu Ser Ile Phe Ile Tyr Asn Ala Ser Lys
 35 40 45

Pro Gln Val Pro Glu Tyr Ala Pro Arg Gln Glu Arg Ile Arg Asp Leu
 50 55 60

Ser Gly Asn Leu Trp Glu Arg Ser Ser Gly Asp Gly Glu Glu Leu Glu
 65 70 75 80

Arg Leu Thr Lys Pro Lys Ser Asp Glu Ser Asp Glu Asp Thr Phe Xaa
 85 90 95

<210> 481
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals stop translation

<400> 481
 Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln
 1 5 10 15

Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Leu Val
 20 25 30

Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro
 35 40 45

Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr
 50 55 60

His Glu Asn Gln Thr Lys Pro Ser Ile Ser Gln Ile Ser Thr Thr Leu
 65 70 75 80

Pro Pro Thr Thr Ser Thr Lys Lys Ser Gly Gly Ala Ser Val Val Pro
 85 90 95

His Pro Ser Pro Thr Pro Leu Ser Gln Glu Glu Ala Asp Asn Asn Glu
 100 105 110

Asp Pro Ser Ile Glu Glu Glu Asp Leu Leu Met Leu Asn Ser Ser Pro

115 120 125
 Ser Thr Ala Lys Asp Thr Leu Asp Asn Gly Asp Tyr Gly Glu Pro Asp
 130 135 140
 Tyr Asp Trp Thr Thr Gly Pro Arg Asp Asp Asp Glu Ser Asp Xaa His
 145 150 155 160
 Leu Gly Arg Lys Gln Gly Leu His Gly Asn Xaa
 165 170

 <210> 482
 <211> 623
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (575)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 482
 Met Phe Met Arg Ile Ala Lys Ala Tyr Ala Ala Leu Thr Asp Glu Glu
 1 5 10 15
 Ser Arg Lys Asn Trp Glu Glu Phe Gly Asn Pro Asp Gly Pro Gln Ala
 20 25 30
 Thr Ser Phe Gly Ile Ala Leu Pro Ala Trp Ile Val Asp Gln Lys Asn
 35 40 45
 Ser Ile Leu Val Leu Leu Val Tyr Gly Leu Ala Phe Met Val Ile Leu
 50 55 60
 Pro Val Val Val Gly Ser Trp Trp Tyr Arg Ser Ile Arg Tyr Ser Gly
 65 70 75 80
 Asp Gln Ile Leu Ile Arg Thr Thr Gln Ile Tyr Thr Tyr Phe Val Tyr
 85 90 95
 Lys Thr Arg Asn Met Asp Met Lys Arg Leu Ile Met Val Leu Xaa Gly
 100 105 110
 Ala Ser Glu Phe Asp Pro Gln Tyr Asn Lys Asp Ala Thr Ser Arg Pro
 115 120 125
 Thr Asp Asn Ile Leu Ile Pro Gln Leu Ile Arg Glu Ile Gly Ser Ile
 130 135 140
 Asn Leu Lys Lys Asn Glu Pro Pro Leu Thr Cys Pro Tyr Ser Leu Lys
 145 150 155 160

Ala Arg Val Leu Leu Leu Ser His Leu Ala Arg Met Lys Ile Pro Glu
 165 170 175
 Thr Leu Glu Glu Asp Gln Gln Phe Met Leu Lys Lys Cys Pro Ala Leu
 180 185 190
 Leu Gln Glu Met Val Asn Val Ile Cys Gln Leu Ile Val Met Ala Arg
 195 200 205
 Asn Arg Glu Glu Arg Glu Phe Arg Ala Pro Thr Leu Ala Ser Leu Glu
 210 215 220
 Asn Cys Met Lys Leu Ser Gln Met Ala Val Gln Gly Leu Gln Gln Phe
 225 230 235 240
 Lys Ser Pro Leu Leu Gln Leu Pro His Ile Glu Glu Asp Asn Leu Arg
 245 250 255
 Arg Val Ser Asn His Lys Lys Tyr Lys Ile Lys Thr Ile Gln Asp Leu
 260 265 270
 Val Ser Leu Lys Glu Ser Asp Arg His Thr Leu Leu His Phe Leu Glu
 275 280 285
 Asp Glu Lys Tyr Glu Glu Val Met Ala Val Leu Gly Ser Phe Pro Tyr
 290 295 300
 Val Thr Met Asp Ile Lys Ser Gln Val Leu Asp Asp Glu Asp Ser Asn
 305 310 315 320
 Asn Ile Thr Val Gly Ser Leu Val Thr Val Leu Val Lys Leu Thr Arg
 325 330 335
 Gln Thr Met Ala Glu Val Phe Glu Lys Glu Gln Ser Ile Cys Ala Ala
 340 345 350
 Glu Glu Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr Asn Lys Asn Arg
 355 360 365
 Thr Lys Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro Lys Lys Thr Ala
 370 375 380
 Lys Ser Lys Lys Lys Lys Pro Leu Lys Lys Lys Pro Thr Pro Val Leu
 385 390 395 400
 Leu Pro Gln Ser Lys Gln Gln Lys Gln Lys Gln Ala Asn Gly Val Val
 405 410 415
 Gly Asn Glu Ala Ala Val Lys Glu Asp Glu Glu Glu Val Ser Asp Lys
 420 425 430
 Gly Ser Asp Ser Glu Glu Glu Glu Thr Asn Arg Asp Ser Gln Ser Glu
 435 440 445
 Lys Asp Asp Gly Ser Asp Arg Asp Ser Asp Arg Glu Gln Asp Glu Lys
 450 455 460
 Gln Asn Lys Asp Asp Glu Ala Glu Trp Gln Glu Leu Gln Gln Ser Ile

465		470		475		480
Gln Arg Lys Glu Arg Ala Leu Leu Glu Thr Lys Ser Lys Ile Thr His						
		485		490		495
Pro Val Tyr Ser Leu Tyr Phe Pro Glu Glu Lys Gln Glu Trp Trp Trp						
		500		505		510
Leu Tyr Ile Ala Asp Arg Lys Glu Gln Thr Leu Ile Ser Met Pro Tyr						
		515		520		525
His Val Cys Thr Leu Lys Asp Thr Glu Glu Val Glu Leu Lys Phe Pro						
		530		535		540
Ala Pro Gly Lys Pro Gly Asn Tyr Gln Tyr Thr Val Phe Leu Arg Ser						
		545		550		555
Asp Ser Tyr Met Gly Leu Asp Gln Ile Lys Pro Leu Glu Val Xaa Lys						
		565		570		575
Phe Met Arg Leu Lys Pro Val Pro Glu Asn His Pro Gln Trp Asp Thr						
		580		585		590
Ala Ile Glu Gly Asp Glu Asp Gln Glu Asp Ser Glu Gly Phe Glu Asp						
		595		600		605
Ser Phe Glu Gly Gly Arg Gly Arg Glu Glu Gly Arg Trp Trp Thr						
		610		615		620

<210> 483

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals stop translation

<400> 483

Met	Lys	Ala	Ser	Gln	Cys	Cys	Cys	Cys	Leu	Ser	His	Leu	Leu	Ala	Ser
1					5				10						15

Val Leu Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val
 20 25 30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Xaa Gly Pro Pro Asp Pro
 35 40 45

Arg Pro Gly His Tyr Arg Arg Cys His Arg Ala Leu Thr Pro Ala Gln
 50 55 60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Ala Ala Gly Leu Arg
 65 70 75 80

Gly Arg Gln Trp Gln Gln Pro Cys Gly Arg Ala Xaa
 85 90

<210> 484

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals stop translation

<400> 484

Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Xaa Xaa
 1 5 10

<210> 485

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 485

Ile Leu Leu Cys Ser Trp Pro Thr Gly Leu Val Gly Gly Arg Asp Pro
 1 5 10 15

Gly Ser Ser Arg Gly Ser Ser Ala Ser Leu Thr Pro Ser Pro Gly Arg
 20 25 30

Gln Pro Cys Ser Arg Arg Arg Gly Tyr Ser Val Gly Arg Arg Ser Ser
 35 40 45

Pro Pro Asp Gly Ser Xaa

50

<210> 486
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals stop translation

<400> 486
 Met Ala Phe Val Leu Leu Xaa Cys Phe Val Xaa Leu Gln Ser Ser Xaa
 1 5 10 15
 Gly Arg Ala Val Gln Xaa
 20

<210> 487
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 487
 Glu Asn Met Ile Cys Val Lys Cys Leu Pro Gln Tyr Pro Glu His Ser
 1 5 10 15

Lys His Val

<210> 488
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 488
 Ala Arg Val Ala Phe His Leu Ile Cys Arg Tyr Ile Leu Pro Thr Val
 1 5 10 15

Tyr Cys His Val
20

<210> 489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 489
Glu Leu Val Glu Ser Pro Gly Ala Ala Gly Asn Ser Ala Arg Ser Gly
1 5 10 15

Asn Val Val Cys
20

<210> 490
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 490
Phe Lys Lys Leu Val Asn Pro Arg Xaa Gln Gly Ile Arg His Glu Glu
1 5 10 15

Glu Ala Val Ser Trp Gln Glu Arg Arg
20 25

<210> 491
<211> 206
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 491
Ile Ser Val Leu Xaa Tyr Pro His Cys Val Val His Glu Leu Pro Glu
1 5 10 15

Leu Thr Ala Glu Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp
20 25 30

Arg Asn Leu Phe Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu
35 40 45

Thr Lys Trp Lys His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser
50 55 60

Ala Pro Ile Leu Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln
65 70 75 80

Leu Tyr Val Leu Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg
85 90 95

Gln Trp Arg Lys Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys
100 105 110

Val Arg His Arg Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp
115 120 125

Ala Arg Pro Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn
130 135 140

Ile Glu Arg Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro
145 150 155 160

Asp Phe Leu Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg
165 170 175

Val Asp Leu Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu
180 185 190

Arg Glu Val Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu
195 200 205

<210> 492

<211> 507

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 492

Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln
1 5 10 15

Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp
20 25 30

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser
35 40 45

Arg Glu Glu Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu
50 55 60

Thr Phe Pro Leu Glu Arg Asp Glu Val Met Pro Pro Pro Leu Gln His
65 70 75 80

Pro Gln Thr Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa Pro
 85 90 95
 Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg Ser
 100 105 110
 Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val Gly
 115 120 125
 Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His Lys
 130 135 140
 Tyr Thr Ser Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu
 145 150 155 160
 Arg Ser Pro Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala
 165 170 175
 Glu Thr Leu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile
 180 185 190
 Ala Leu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys
 195 200 205
 Thr Asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro
 210 215 220
 Thr Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn Arg His
 225 230 235 240
 Lys Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu Leu Leu
 245 250 255
 Lys His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met Ala Gln
 260 265 270
 His Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe Phe Asn
 275 280 285
 Gln Asn Ile Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser Val Leu
 290 295 300
 Asp Tyr Pro His Cys Val Val His Glu Leu Pro Glu Leu Thr Ala Glu
 305 310 315 320
 Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn Leu Phe
 325 330 335
 Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys Trp Lys
 340 345 350
 His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu
 355 360 365
 Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu
 370 375 380

Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys
385 390 395 400

Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg
405 410 415

Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro Trp
420 425 430

Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg Phe
435 440 445

Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu Pro
450 455 460

Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu Pro
465 470 475 480

Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val Phe
485 490 495

Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln
500 505

<210> 493

<211> 50

<212> PRT

<213> Homo sapiens

<400> 493

Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln
1 5 10 15

Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp
20 25 30

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser
35 40 45

Arg Glu
50

<210> 494

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

0> 494

Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu Thr Phe
5 10 15

Leu Glu Arg Asp Glu Val Met Pro Pro Pro Leu Gln His Pro Gln
20 25 30

Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa
35 40 45

10> 495

11> 51

12> PRT

13> Homo sapiens

00> 495

Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg
1 5 10 15

r Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val
20 25 30

y Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His
35 40 45

s Tyr Thr
50

110> 496

111> 47

112> PRT

113> Homo sapiens

100> 496

er Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu Arg Ser
1 5 10 15

ro Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala Glu Thr
20 25 30

eu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile Ala
35 40 45

210> 497

211> 48

212> PRT

213> Homo sapiens

400> 497

eu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys Thr
1 5 10 15

asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro Thr
20 25 30

Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn Arg His Lys
 35 40 45

<210> 498

<211> 50

<212> PRT

<213> Homo sapiens

<400> 498

Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu Leu Lys
 1 5 10 15

His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met Ala Gln His
 20 25 30

Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe Phe Asn Gln
 35 40 45

Asn Ile
 50

<210> 499

<211> 48

<212> PRT

<213> Homo sapiens

<400> 499

Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser Val Leu Asp Tyr Pro
 1 5 10 15

His Cys Val Val His Glu Leu Pro Glu Leu Thr Ala Glu Ser Leu Glu
 20 25 30

Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn Leu Phe Ser Cys Ile
 35 40 45

<210> 500

<211> 47

<212> PRT

<213> Homo sapiens

<400> 500

Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys Trp Lys His Ser Arg
 1 5 10 15

Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu Lys Arg Ala
 20 25 30

Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu Lys Leu
 35 40 45

<210> 501
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 501
 Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys Ser Asn
 1 5 10 15

Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg Leu Asn
 20 25 30

Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro
 35 40 45

<210> 502
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 502
 Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg
 1 5 10 15

Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu
 20 25 30

Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu
 35 40 45

<210> 503
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 503
 Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val
 1 5 10 15

Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln
 20 25

<210> 504
 <211> 317
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 504

Met Ala Pro Pro Ala Pro Gly Pro Ala Ser Gly Gly Ser Gly Glu Val
1 5 10 15

Asp Glu Leu Phe Asp Val Lys Asn Ala Phe Tyr Ile Gly Ser Tyr Gln
20 25 30

Gln Cys Ile Asn Glu Ala Xaa Xaa Val Lys Leu Ser Ser Pro Glu Arg
35 40 45

Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln Arg
50 55 60

Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro Glu
65 70 75 80

Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser Arg
85 90 95

Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser Xaa
100 105 110

Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr Leu
115 120 125

His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly Asp
130 135 140

Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu Asp
145 150 155 160

Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu Asp
165 170 175

Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser Leu Ala
180 185 190

Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln Glu Met
195 200 205

Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln Ala Ala
210 215 220

Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly Leu Leu Gln

225 230 235 240
 Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu Val Asn Leu
 245 250 255
 Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val Thr Asn Arg
 260 265 270
 Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile Lys
 275 280 285
 Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln Tyr
 290 295 300
 Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser Gly Pro
 305 310 315

 <210> 505
 <211> 261
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 505
 Arg Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln
 1 5 10 15
 Arg Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro
 20 25 30
 Glu Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser
 35 40 45
 Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser
 50 55 60
 Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr
 65 70 75 80
 Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly
 85 90 95
 Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu
 100 105 110
 Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu
 115 120 125
 Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser Leu
 130 135 140
 Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln Glu
 145 150 155 160

Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Asn Gly Gln Ala
 165 170 175

Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly Leu Leu
 180 185 190

Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu Val Asn
 195 200 205

Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val Thr Asn
 210 215 220

Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile
 225 230 235 240

Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln
 245 250 255

Tyr Ala Pro Ser Ala
 260

<210> 506

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 506

Met Ala Pro Pro Ala Pro Gly Pro Ala Ser Gly Gly Ser Gly Glu Val
 1 5 10 15

Asp Glu Leu Phe Asp Val Lys Asn Ala Phe Tyr Ile Gly Ser Tyr Gln
 20 25 30

Gln Cys Ile Asn Glu Ala Xaa Xaa Val Lys Leu Ser Ser Pro Glu Arg
 35 40 45

<210> 507

<211> 47

<212> PRT

<213> Homo sapiens

<400> 507

Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln Arg
 1 5 10 15

Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro Glu
 20 25 30

Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser
 35 40 45

<210> 508

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 508

Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser
 1 5 10 15

Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr
 20 25 30

Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly
 35 40 45

<210> 509

<211> 47

<212> PRT

<213> Homo sapiens

<400> 509

Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu
 1 5 10 15

Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu
 20 25 30

Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser
 35 40 45

<210> 510

<211> 47

<212> PRT

<213> Homo sapiens

<400> 510

Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln
 1 5 10 15

Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln
 20 25 30

Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly
 35 40 45

<210> 511

<211> 48

<212> PRT

<213> Homo sapiens

<400> 511

Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu
 1 5 10 15

Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val
 20 25 30

Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro
 35 40 45

<210> 512

<211> 32

<212> PRT

<213> Homo sapiens

<400> 512

Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val
 1 5 10 15

Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser Gly Pro
 20 25 30

<210> 513

<211> 47

<212> PRT

<213> Homo sapiens

<400> 513

Arg Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln
 1 5 10 15

Arg Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro
 20 25 30

Glu Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu
 35 40 45

10> 514

11> 48

12> PRT

13> Homo sapiens

20>

21> SITE

22> (18)

23> Xaa equals any of the naturally occurring L-amino acids

100> 514

er Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg
1 5 10 15

er Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
20 25 30

yr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln
35 40 45

210> 515

211> 47

212> PRT

213> Homo sapiens

400> 515

gly Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys
1 5 10 15

Leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp
20 25 30

Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val
35 40 45

<210> 516

<211> 47

<212> PRT

<213> Homo sapiens

<400> 516

Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe
1 5 10 15

Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly
20 25 30

Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu
35 40 45

<210> 517

<211> 38
 <212> PRT
 <213> Homo sapiens

<400> 517
 Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr
 1 5 10 15
 Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu
 20 25 30
 Val Thr Asn Arg Tyr Leu
 35

<210> 518
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 518
 Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile Lys Glu Tyr
 1 5 10 15
 Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln Tyr Ala Pro
 20 25 30
 Ser Ala

<210> 519
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 519
 Asn Arg Tyr Tyr Arg Glu Ser Trp Ser Leu Gln Val Pro Val Arg Asn
 1 5 10 15
 Ser Gly Ser Thr His Ala Ser Glu Arg Asn Gly Ala Ser Gly Pro Arg
 20 25 30
 Pro Gly Leu Arg Arg Leu Arg Gly Gly Arg Arg Ala Val Arg Arg Lys
 35 40 45
 Glu Arg Leu Leu His Arg Gln Leu Pro Ala Val His Lys Arg
 50 55 60

<210> 520
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 520

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr Asp Ser
20 25 30

Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu Leu Val
35 40 45

Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr Leu Pro
50 55 60

Pro Ser
65

<210> 521

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 521

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr
20 25 30

<210> 522

<211> 36

<212> PRT

<213> Homo sapiens

<400> 522

Asp Ser Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu
1 5 10 15

Leu Val Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr
20 25 30

Leu Pro Pro Ser
35

<210> 523

<211> 156

<212> PRT

<213> Homo sapiens

<400> 523.

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45

Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys
 50 55 60

Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu
 65 70 75 80

Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn
 85 90 95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile
 100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe
 115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala
 130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
 145 150 155

<210> 524

<211> 176

<212> PRT

<213> Homo sapiens

<400> 524

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu
 1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln
 20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr Glu Ser
 35 40 45

Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser Leu Asn
 50 55 60

Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu Ala Trp
 65 70 75 80

Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg Ser Glu
 85 90 95

Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser
 100 105 110

Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu Pro Ile
 115 120 125

Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile Asn Gln
 130 135 140

Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser Asp Ser
 145 150 155 160

Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu Gly Lys
 165 170 175

<210> 525

<211> 49

<212> PRT

<213> Homo sapiens

<400> 525

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45

Lys

<210> 526

<211> 49

<212> PRT

<213> Homo sapiens

<400> 526

Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys Ser
 1 5 10 15

Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu Lys
 20 25 30

Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn Phe
 35 40 45

Tyr

<210> 527

<211> 28

<212> PRT

<213> Homo sapiens

<400> 527

Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile Asp Val
1 5 10 15

Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala
20 25

<210> 528

<211> 30

<212> PRT

<213> Homo sapiens

<400> 528

Tyr Phe Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp
1 5 10 15

Val Ala Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
20 25 30

<210> 529

<211> 46

<212> PRT

<213> Homo sapiens

<400> 529

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu
1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln
20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr
35 40 45

<210> 530

<211> 50

<212> PRT

<213> Homo sapiens

<400> 530

Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser
1 5 10 15

Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu
20 25 30

Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg
35 40 45

Ser Glu
50

<210> 531
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 531
 Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser
 1 5 10 15
 Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu Pro Ile
 20 25 30
 Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile Asn
 35 40 45

<210> 532
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 532
 Gln Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser Asp
 1 5 10 15
 Ser Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu Gly
 20 25 30
 Lys

<210> 533
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 533
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu
 1 5 10 15
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu
 20 25 30
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly
 35 40 45
 Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly
 50 55 60
 Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser
 65 70 75 80
 Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly
 85 90 95
 Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro
 100 105 110

Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys
 115 120 125
 Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly
 130 135 140
 Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser
 145 150 155 160
 Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln
 165 170 175
 Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu
 180 185 190
 His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly
 195 200 205
 Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala
 210 215 220
 Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn
 225 230 235 240
 Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly
 245 250 255
 His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe Pro Ala
 260 265 270
 Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly Pro Ala Pro Gln
 275 280 285
 Pro Leu Gly Gln Phe Gln Pro Val Gly Thr Ala Ser Leu Gln Asn Phe
 290 295 300
 Asn Ile Ser Asn Leu Gln Lys Ser Ile Ser Asn Pro Pro Gly Ser Asn
 305 310 315 320
 Leu Arg Thr Thr

<210> 534

<211> 133

<212> PRT

<213> Homo sapiens

<400> 534

Ile Gln Asp Leu Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr
 1 5 10 15
 Thr Lys Leu Gly Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala
 20 25 30
 Pro Leu Ser Gly Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys
 35 40 45

Ser Ser Arg Ser Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly
50 55 60

Asn Leu Ser Gly Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr
65 70 75 80

Leu His Pro Pro Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu
85 90 95

Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe
100 105 110

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln
115 120 125

Gly Thr Ser Ser Thr
130

<210> 535

<211> 53

<212> PRT

<213> Homo sapiens

<400> 535

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln
1 5 10 15

Gly Thr Ser Ser Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala
20 25 30

Ala Gln Ala Gln Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe
35 40 45

Thr Asp Asp Leu His
50

<210> 536

<211> 48

<212> PRT

<213> Homo sapiens

<400> 536

Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala Arg Lys Phe Ser
1 5 10 15

Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn Leu Gly Gly Ser
20 25 30

Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly His Phe Thr Lys
35 40 45

<210> 537
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 537
 Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe
 1 5 10 15
 Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly
 20 25 30

<210> 538
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 538
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu
 1 5 10 15
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu
 20 25 30
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly
 35 40 45
 Lys Val Pro
 50

<210> 539
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 539
 Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly Arg Arg Arg
 1 5 10 15
 Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser Ser Ser Leu
 20 25 30
 Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly Gln Ser
 35 40 45

<210> 540
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 540
 Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro Gly Asn
 1 5 10 15
 Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys Pro Ser

20 25 30
 Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly Ala Ile
 35 40 45
 Ser Val
 50

<210> 541
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 541
 Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser Thr Asn Thr Val
 1 5 10 15
 Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln Pro Pro Ala Met
 20 25 30
 Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu
 35 40

<210> 542
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 542
 His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly
 1 5 10 15
 Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala
 20 25 30
 Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr
 35 40 45

<210> 543
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 543
 Ser Asn Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser
 1 5 10 15
 Leu Gly His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe
 20 25 30
 Pro Ala Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly
 35 40 45

<210> 544

<211> 40
 <212> PRT
 <213> Homo sapiens

<400> 544
 Pro Ala Pro Gln Pro Leu Gly Gln Phe Gln Pro Val Gly Thr Ala Ser
 1 5 10 15
 Leu Gln Asn Phe Asn Ile Ser Asn Leu Gln Lys Ser Ile Ser Asn Pro
 20 25 30
 Pro Gly Ser Asn Leu Arg Thr Thr
 35 40

<210> 545
 <211> 57
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 545
 Val Arg Val Ala Ala Ala Glu Ser Met Xaa Leu Leu Leu Glu Cys Ala
 1 5 10 15
 Xaa Val Arg Gly Pro Glu Tyr Leu Thr Gln Met Trp His Phe Met Cys
 20 25 30
 Asp Ala Leu Ile Lys Ala Ile Gly Thr Glu Pro Asp Ser Asp Val Leu
 35 40 45
 Ser Glu Ile Met His Ser Phe Ala Lys
 50 55

<210> 546
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 546
 Met Glu Ile Asn Asn Gln Asn Cys Phe Ile Val Ile Asp Leu Val Arg
 1 5 10 15
 Thr Val Met Glu Asn Gly Val Glu Gly Leu Leu Ile Phe Gly Ala Phe
 20 25 30
 Leu Pro Glu Ser Trp Leu Ile Gly Val Arg Cys Ser Ser Glu Pro Pro
 35 40 45

Lys Ala Leu Leu Leu Ile Leu Ala His Ser Gln Lys Arg Arg Leu Asp
 50 55 60

Gly Trp Ser Phe Ile Arg His Leu Arg Val His Tyr Cys Val Ser Leu
 65 70 75 80

Thr Ile His Phe Ser
 85

<210> 547

<211> 100

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 547

Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala
 1 5 10 15

Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala
 20 25 30

Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu Val Cys Thr
 35 40 45

Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp Asn Ser Thr
 50 55 60

Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly Cys Tyr Phe
 65 70 75 80

Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu Ala Ala Gly
 85 90 95

Gln Ser Ser Thr
 100

<210> 548

<211> 45

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 548
 Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala
 1 5 10 15
 Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala
 20 25 30
 Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu
 35 40 45

<210> 549
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 549
 Val Cys Thr Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp
 1 5 10 15
 Asn Ser Thr Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly
 20 25 30
 Cys Tyr Phe Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu
 35 40 45
 Ala Ala Gly Gln Ser Ser Thr
 50 55

<210> 550
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 550
 Gln Asp Lys His Ala Glu Glu Val Arg Lys Asn Lys Glu Leu Lys Glu
 1 5 10 15
 Glu Ala Ser Arg
 20

<210> 551
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 551
 Gln Gln Asp Leu Ser Pro Trp Ala Ala Pro Val Gly Cys Pro Leu Xaa
 1 5 10 15

Xaa Ala Ser Xaa Thr Cys His Xaa Leu Pro Leu Ser Gly Cys Leu Arg
 20 25 30

Arg Gln Ser Xaa Ser Leu Pro Val Val Ala Xaa Leu Cys Phe Trp Phe
 35 40 45

Ser Cys Pro Leu Ala Ser Leu Phe Val Pro Gly Gln Pro Cys Val Thr
 50 55 60

Cys Pro Phe Pro Ser Leu Pro Phe Gln Asp Lys His Ala Glu Glu Val
 65 70 75 80

Arg Lys Asn Lys Glu Leu Lys Glu Glu Ala Ser Arg
 85 90

<210> 552
 <211> 37

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 552
 Pro Thr Arg Cys Cys Thr Thr Gln Pro Cys Arg Ser Ser Ala Arg Arg
 1 5 10 15

Pro Cys Trp Val Pro Met Val Pro Ser Pro Glu Gly Arg Glu Xaa Gln
 20 25 30

Pro Thr Cys Pro Ser
 35

<210> 553
 <211> 363
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 553
 Met Lys Arg Ser Leu Asn Glu Asn Ser Ala Arg Ser Thr Ala Gly Cys
 1 5 10 15

Leu Pro Val Pro Leu Phe Asn Gln Lys Lys Arg Asn Arg Gln Pro Leu
 20 25 30

Thr Ser Asn Pro Leu Lys Asp Asp Ser Gly Ile Ser Thr Pro Ser Asp
 35 40 45

Asn Tyr Asp Phe Pro Pro Leu Pro Thr Asp Trp Ala Trp Glu Ala Val
 50 55 60

Asn Pro Glu Xaa Ala Pro Val Met Lys Thr Val Asp Thr Gly Gln Ile
 65 70 75 80

Pro His Ser Val Ser Arg Pro Leu Arg Ser Gln Asp Ser Val Phe Asn
 85 90 95

Ser Ile Gln Ser Asn Thr Gly Arg Ser Gln Gly Gly Trp Ser Tyr Arg
 100 105 110
 Asp Gly Asn Lys Asn Thr Ser Leu Lys Thr Trp Xaa Lys Asn Asp Phe
 115 120 125
 Lys Pro Gln Cys Lys Arg Thr Asn Leu Val Ala Asn Asp Gly Lys Asn
 130 135 140
 Ser Cys Pro Met Ser Ser Gly Ala Gln Gln Gln Lys Gln Leu Arg Thr
 145 150 155 160
 Pro Glu Pro Pro Asn Leu Ser Arg Asn Lys Glu Thr Glu Leu Leu Arg
 165 170 175
 Gln Thr His Ser Ser Lys Ile Ser Gly Cys Thr Met Arg Gly Leu Asp
 180 185 190
 Lys Asn Ser Ala Leu Gln Thr Leu Lys Pro Asn Phe Gln Gln Asn Gln
 195 200 205
 Tyr Lys Xaa Gln Met Leu Asp Asp Ile Pro Glu Asp Asn Thr Leu Lys
 210 215 220
 Glu Thr Ser Leu Tyr Gln Leu Gln Phe Lys Glu Lys Ala Ser Ser Leu
 225 230 235 240
 Arg Ile Ile Ser Ala Val Ile Glu Ser Met Lys Tyr Trp Arg Glu His
 245 250 255
 Ala Gln Lys Thr Val Leu Leu Phe Glu Val Leu Ala Val Leu Asp Ser
 260 265 270
 Ala Val Thr Pro Gly Pro Tyr Tyr Ser Lys Thr Phe Leu Met Arg Asp
 275 280 285
 Gly Lys Asn Thr Leu Pro Cys Val Phe Tyr Glu Ile Asp Arg Glu Leu
 290 295 300
 Pro Arg Leu Ile Arg Gly Arg Val His Arg Cys Val Gly Asn Tyr Asp
 305 310 315 320
 Gln Lys Lys Asn Ile Phe Gln Cys Val Ser Val Arg Pro Ala Ser Val
 325 330 335
 Ser Glu Gln Lys Thr Phe Gln Ala Phe Val Lys Ile Ala Asp Val Glu
 340 345 350
 Met Gln Tyr Tyr Ile Asn Val Met Asn Glu Thr
 355 360

<210> 554

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 554

Ser	Gln	Asp	Ser	Val	Phe	Asn	Ser	Ile	Gln	Ser	Asn	Thr	Gly	Arg	Ser
1				5					10					15	

Gln	Gly	Gly	Trp	Ser	Tyr	Arg	Asp	Gly	Asn	Lys	Asn	Thr	Ser	Leu	Lys
			20					25					30		

Thr	Trp	Xaa	Lys	Asn	Asp	Phe	Lys	Pro	Gln	Cys	Lys	Arg
		35					40					45

<210> 555

<211> 36

<212> PRT

<213> Homo sapiens

<400> 555

Asn	Lys	Glu	Thr	Glu	Leu	Leu	Arg	Gln	Thr	His	Ser	Ser	Lys	Ile	Ser
1				5					10					15	

Gly	Cys	Thr	Met	Arg	Gly	Leu	Asp	Lys	Asn	Ser	Ala	Leu	Gln	Thr	Leu
			20					25					30		

Lys	Pro	Asn	Phe
		35	

<210> 556

<211> 49

<212> PRT

<213> Homo sapiens

<400> 556

Ser	Ser	Leu	Arg	Ile	Ile	Ser	Ala	Val	Ile	Glu	Ser	Met	Lys	Tyr	Trp
1				5					10					15	

Arg	Glu	His	Ala	Gln	Lys	Thr	Val	Leu	Leu	Phe	Glu	Val	Leu	Ala	Val
			20					25					30		

Leu	Asp	Ser	Ala	Val	Thr	Pro	Gly	Pro	Tyr	Tyr	Ser	Lys	Thr	Phe	Leu
		35					40					45			

Met

<210> 557

<211> 42

<212> PRT

<213> Homo sapiens

<400> 557

Pro	Arg	Leu	Ile	Arg	Gly	Arg	Val	His	Arg	Cys	Val	Gly	Asn	Tyr	Asp
1				5					10					15	

Gln Lys Lys Asn Ile Phe Gln Cys Val Ser Val Arg Pro Ala Ser Val
 20 25 30

Ser Glu Gln Lys Thr Phe Gln Ala Phe Val
 35 40

<210> 558
 <211> 370
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (320)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (334)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (337)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (339)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (341)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (345)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (350)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (352)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (355)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (360)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 558

Gly	Val	Phe	Arg	Pro	Cys	Val	Cys	Gly	Arg	Pro	Ala	Ser	Leu	Thr	Cys	1	5	10	15
Ser	Pro	Leu	Asp	Pro	Glu	Val	Gly	Pro	Tyr	Cys	Asp	Thr	Pro	Thr	Met	20	25	30	
Arg	Thr	Leu	Phe	Asn	Leu	Leu	Trp	Leu	Ala	Leu	Ala	Cys	Ser	Pro	Val	35	40	45	
His	Thr	Thr	Leu	Ser	Lys	Ser	Asp	Ala	Lys	Lys	Ala	Ala	Ser	Lys	Thr	50	55	60	
Leu	Leu	Glu	Lys	Ser	Gln	Phe	Ser	Asp	Lys	Pro	Val	Gln	Asp	Arg	Gly	65	70	75	80
Leu	Val	Val	Thr	Asp	Leu	Lys	Ala	Glu	Ser	Val	Val	Leu	Glu	His	Arg	85	90	95	
Ser	Tyr	Cys	Ser	Ala	Lys	Ala	Arg	Asp	Arg	His	Phe	Ala	Gly	Asp	Val	100	105	110	
Leu	Gly	Tyr	Val	Thr	Pro	Trp	Asn	Ser	His	Gly	Tyr	Asp	Val	Thr	Lys	115	120	125	
Val	Phe	Gly	Ser	Lys	Phe	Thr	Gln	Ile	Ser	Pro	Val	Trp	Leu	Gln	Leu	130	135	140	
Lys	Arg	Arg	Gly	Arg	Glu	Met	Phe	Glu	Val	Thr	Gly	Leu	His	Asp	Val	145	150	155	160
Asp	Gln	Gly	Trp	Met	Arg	Ala	Val	Arg	Lys	His	Ala	Lys	Gly	Leu	His	165	170	175	
Ile	Val	Pro	Arg	Leu	Leu	Phe	Glu	Asp	Trp	Thr	Tyr	Asp	Asp	Phe	Arg	180	185	190	
Asn	Val	Leu	Asp	Ser	Glu	Asp	Glu	Ile	Glu	Glu	Leu	Ser	Lys	Thr	Val	195	200	205	
Val	Gln	Val	Ala	Lys	Asn	Gln	His	Phe	Asp	Gly	Phe	Val	Val	Glu	Val	210	215	220	
Trp	Asn	Gln	Leu	Leu	Ser	Gln	Lys	Arg	Val	Gly	Leu	Ile	His	Met	Leu	225	230	235	240
Thr	His	Leu	Ala	Glu	Ala	Leu	His	Gln	Ala	Arg	Leu	Leu	Ala	Leu	Leu	245	250	255	
Val	Ile	Pro	Pro	Ala	Ile	Thr	Pro	Gly	Thr	Asp	Gln	Leu	Gly	Met	Phe	260	265	270	
Thr	His	Lys	Glu	Phe	Glu	Gln	Leu	Ala	Pro	Val	Leu	Asp	Gly	Phe	Ser				

275 280 285
 Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro Asn Ala
 290 295 300
 Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro Lys Xaa
 305 310 315 320
 Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr Ser Met Xaa Trp Thr
 325 330 335
 Xaa Arg Xaa Pro Xaa Asp Ala Arg Xaa Pro Val Val Gly Xaa Arg Xaa
 340 345 350
 Ile Gln Xaa Leu Lys Asp His Xaa Pro Arg Met Val Leu Asp Ser Lys
 355 360 365
 Pro Gln
 370

 <210> 559
 <211> 39
 <212> PRT
 <213> Homo sapiens

 <400> 559
 Thr Cys Ser Pro Leu Asp Pro Glu Val Gly Pro Tyr Cys Asp Thr Pro
 1 5 10 15
 Thr Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser
 20 25 30
 Pro Val His Thr Thr Leu Ser
 35

 <210> 560
 <211> 54
 <212> PRT
 <213> Homo sapiens

 <400> 560
 Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His Arg
 1 5 10 15
 Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp Val
 20 25 30
 Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr Lys
 35 40 45
 Val Phe Gly Ser Lys Phe
 50

 <210> 561
 <211> 52

<212> PRT

<213> Homo sapiens

<400> 561

Arg Glu Met Phe Glu Val Thr Gly Leu His Asp Val Asp Gln Gly Trp
 1 5 10 15

Met Arg Ala Val Arg Lys His Ala Lys Gly Leu His Ile Val Pro Arg
 20 25 30

Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe Arg Asn Val Leu Asp
 35 40 45

Ser Glu Asp Glu
 50

<210> 562

<211> 56

<212> PRT

<213> Homo sapiens

<400> 562

His Phe Asp Gly Phe Val Val Glu Val Trp Asn Gln Leu Leu Ser Gln
 1 5 10 15

Lys Arg Val Gly Leu Ile His Met Leu Thr His Leu Ala Glu Ala Leu
 20 25 30

His Gln Ala Arg Leu Leu Ala Leu Leu Val Ile Pro Pro Ala Ile Thr
 35 40 45

Pro Gly Thr Asp Gln Leu Gly Met
 50 55

<210> 563

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 563

Asp Gly Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro
 1 5 10 15

Gly Pro Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu
 20 25 30

Asp Pro Lys Xaa Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr
 35 40 45

<210> 564

<211> 152
 <212> PRT
 <213> Homo sapiens

<400> 564
 Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg
 1 5 10 15
 Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val
 20 25 30
 Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser
 35 40 45
 Tyr Phe Leu Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr
 50 55 60
 Gly Lys Glu Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile
 65 70 75 80
 Ala Arg Ile Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro
 85 90 95
 Leu Ser Ser Val Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly
 100 105 110
 Ile Arg Val Val Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln
 115 120 125
 Lys Glu Arg Ala Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala
 130 135 140
 Ala Gln Glu Glu Ala Ala Lys Lys
 145 150

<210> 565
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 565
 Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg
 1 5 10 15
 Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val
 20 25 30
 Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser
 35 40 45
 Tyr Phe Leu
 50

<210> 566
 <211> 49
 <212> PRT

<213> Homo sapiens

<400> 566

Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu
1 5 10 15

Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile Ala Arg Ile
20 25 30

Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro Leu Ser Ser
35 40 45

Val

<210> 567

<211> 52

<212> PRT

<213> Homo sapiens

<400> 567

Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val
1 5 10 15

Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala
20 25 30

Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu
35 40 45

Ala Ala Lys Lys
50

<210> 568

<211> 270

<212> PRT

<213> Homo sapiens

<400> 568

Ala Val Tyr Thr Tyr His Glu Lys Lys Lys Asp Thr Ala Ala Ser Gly
1 5 10 15

Tyr Gly Thr Gln Asn Ile Arg Leu Ser Arg Asp Ala Val Lys Asp Phe
20 25 30

Asp Cys Cys Cys Leu Ser Leu Gln Pro Cys His Asp Pro Val Val Thr
35 40 45

Pro Asp Gly Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu
50 55 60

His Gln Lys Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln
65 70 75 80

Arg Gly Thr Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser
85 90 95

Gln Asp His Val Arg Gly Phe Leu Glu Lys Glu Ser Ala Ile Val Ser
 100 105 110

Arg Pro Leu Asn Pro Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro
 115 120 125

Asp Asp Val Gln Pro Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys
 130 135 140

Asp Lys Val Leu Pro Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala
 145 150 155 160

Lys Ala Thr Lys Leu Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met
 165 170 175

Ser Gly Lys Pro Leu Arg Met Ser Asp Leu Thr Pro Val His Phe Thr
 180 185 190

Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile Thr Arg Ser Glu
 195 200 205

Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro
 210 215 220

Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr Leu Glu Cys Val
 225 230 235 240

Glu Lys Leu Ile Arg Lys Asp Met Val Asp Pro Val Thr Gly Asp Lys
 245 250 255

Leu Thr Asp Arg Asp Ile Ile Val Leu Gln Arg Gly Gly Thr
 260 265 270

<210> 569

<211> 54

<212> PRT

<213> Homo sapiens

<400> 569

Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu His Gln Lys
 1 5 10 15

Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln Arg Gly Thr
 20 25 30

Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser Gln Asp His
 35 40 45

Val Arg Gly Phe Leu Glu
 50

<210> 570

<211> 64

<212> PRT

<213> Homo sapiens

<400> 570

Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro Asp Asp Val Gln Pro
 1 5 10 15

Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys Asp Lys Val Leu Pro
 20 25 30

Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala Lys Ala Thr Lys Leu
 35 40 45

Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met Ser Gly Lys Pro Leu
 50 55 60

<210> 571

<211> 56

<212> PRT

<213> Homo sapiens

<400> 571

Val His Phe Thr Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile
 1 5 10 15

Thr Arg Ser Glu Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser
 20 25 30

Asn Ala Thr Pro Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr
 35 40 45

Leu Glu Cys Val Glu Lys Leu Ile
 50 55

<210> 572

<211> 66

<212> PRT

<213> Homo sapiens

<400> 572

Met Ser Asp Leu Thr Pro Val His Phe Thr Pro Leu Asp Ser Ser Val
 1 5 10 15

Asp Arg Val Gly Leu Ile Thr Arg Ser Glu Arg Tyr Val Cys Ala Val
 20 25 30

Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro Cys Ala Val Leu Arg Pro
 35 40 45

Ser Gly Ala Val Val Thr Leu Glu Cys Val Glu Lys Leu Ile Arg Lys
 50 55 60

Asp Met
 65

<210> 573
 <211> 567
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (409)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 573

Met	Asp	Thr	Ser	Glu	Asn	Arg	Pro	Glu	Asn	Asp	Val	Pro	Glu	Pro	Pro	1	5	10	15
Met	Pro	Ile	Ala	Asp	Gln	Val	Ser	Asn	Asp	Asp	Arg	Pro	Glu	Gly	Ser	20	25	30	
Val	Glu	Asp	Glu	Glu	Lys	Lys	Glu	Ser	Ser	Leu	Pro	Lys	Ser	Phe	Lys	35	40	45	
Arg	Lys	Ile	Ser	Val	Val	Ser	Ala	Thr	Lys	Gly	Val	Pro	Ala	Gly	Asn	50	55	60	
Ser	Asp	Thr	Glu	Gly	Gly	Gln	Pro	Gly	Arg	Lys	Arg	Arg	Trp	Gly	Ala	65	70	75	80
Ser	Thr	Ala	Thr	Thr	Gln	Lys	Lys	Pro	Ser	Ile	Ser	Ile	Thr	Thr	Glu	85	90	95	
Ser	Leu	Lys	Ser	Leu	Ile	Pro	Asp	Ile	Lys	Pro	Leu	Ala	Gly	Gln	Glu	100	105	110	
Ala	Val	Val	Asp	Leu	His	Ala	Asp	Asp	Ser	Arg	Ile	Ser	Glu	Asp	Glu	115	120	125	
Thr	Glu	Arg	Asn	Gly	Asp	Asp	Gly	Thr	His	Asp	Lys	Gly	Leu	Lys	Ile	130	135	140	
Cys	Arg	Thr	Val	Thr	Gln	Val	Val	Pro	Ala	Glu	Gly	Gln	Glu	Asn	Gly	145	150	155	160
Gln	Arg	Glu	Glu	Glu	Glu	Glu	Glu	Lys	Glu	Pro	Glu	Ala	Glu	Pro	Pro	165	170	175	
Val	Pro	Pro	Gln	Val	Ser	Val	Glu	Val	Ala	Leu	Pro	Pro	Pro	Ala	Glu	180	185	190	
His	Glu	Val	Lys	Lys	Val	Thr	Leu	Gly	Asp	Thr	Leu	Thr	Arg	Arg	Ser	195	200	205	
Ile	Ser	Gln	Gln	Lys	Ser	Gly	Val	Ser	Ile	Thr	Ile	Asp	Asp	Pro	Val	210	215	220	
Arg	Thr	Ala	Gln	Val	Pro	Ser	Pro	Pro	Arg	Gly	Lys	Ile	Ser	Asn	Ile	225	230	235	240
Val	His	Ile	Ser	Asn	Leu	Val	Arg	Pro	Phe	Thr	Leu	Gly	Gln	Leu	Lys				

245										250					255				
Glu	Leu	Leu	Gly	Arg	Thr	Gly	Thr	Leu	Val	Glu	Glu	Ala	Phe	Trp	Ile				
			260						265					270					
Asp	Lys	Ile	Lys	Ser	His	Cys	Phe	Val	Thr	Tyr	Ser	Thr	Val	Glu	Glu				
		275						280				285							
Ala	Val	Ala	Thr	Arg	Thr	Ala	Leu	His	Gly	Val	Lys	Trp	Pro	Gln	Ser				
	290						295					300							
Asn	Pro	Lys	Phe	Leu	Cys	Ala	Asp	Tyr	Ala	Glu	Gln	Asp	Glu	Leu	Asp				
305						310				315					320				
Tyr	His	Arg	Gly	Leu	Leu	Val	Asp	Arg	Pro	Ser	Glu	Thr	Lys	Thr	Glu				
				325					330					335					
Glu	Gln	Gly	Ile	Pro	Arg	Pro	Leu	His	Pro	Pro	Pro	Pro	Pro	Pro	Val				
			340					345						350					
Gln	Pro	Pro	Gln	His	Pro	Arg	Ala	Glu	Gln	Arg	Glu	Gln	Glu	Arg	Ala				
		355					360						365						
Val	Arg	Glu	Gln	Trp	Ala	Glu	Arg	Glu	Arg	Glu	Met	Glu	Arg	Arg	Glu				
	370					375					380								
Arg	Thr	Arg	Ser	Glu	Arg	Glu	Trp	Asp	Arg	Asp	Lys	Val	Arg	Glu	Gly				
385					390					395					400				
Pro	Arg	Ser	Arg	Ser	Arg	Ser	Arg	Xaa	Arg	Arg	Arg	Lys	Glu	Arg	Ala				
				405					410					415					
Lys	Ser	Lys	Glu	Lys	Lys	Ser	Glu	Lys	Lys	Glu	Lys	Ala	Gln	Glu	Glu				
			420					425					430						
Pro	Pro	Ala	Lys	Leu	Leu	Asp	Asp	Leu	Phe	Arg	Lys	Thr	Lys	Ala	Ala				
		435					440					445							
Pro	Cys	Ile	Tyr	Trp	Leu	Pro	Leu	Thr	Asp	Ser	Gln	Ile	Val	Gln	Lys				
	450					455					460								
Glu	Ala	Glu	Arg	Ala	Glu	Arg	Ala	Lys	Glu	Arg	Glu	Lys	Arg	Arg	Lys				
465					470					475					480				
Glu	Gln	Glu	Glu	Glu	Glu	Gln	Lys	Glu	Arg	Glu	Lys	Glu	Ala	Glu	Arg				
				485					490					495					
Glu	Arg	Asn	Arg	Gln	Leu	Glu	Arg	Glu	Lys	Arg	Arg	Glu	His	Ser	Arg				
			500					505					510						
Glu	Arg	Asp	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Asp	Arg	Gly	Asp				
		515					520					525							
Arg	Asp	Arg	Asp	Arg	Glu	Arg	Asp	Arg	Glu	Arg	Gly	Arg	Glu	Arg	Asp				
	530					535					540								
Arg	Arg	Asp	Thr	Lys	Arg	His	Ser	Arg	Ser	Arg	Ser	Arg	Ser	Thr	Pro				
545					550					555					560				

Val Arg Asp Arg Gly Gly Arg
565

<210> 574
<211> 48
<212> PRT
<213> Homo sapiens

<400> 574
Glu Asn Asp Val Pro Glu Pro Pro Met Pro Ile Ala Asp Gln Val Ser
1 5 10 15
Asn Asp Asp Arg Pro Glu Gly Ser Val Glu Asp Glu Glu Lys Lys Glu
20 25 30
Ser Ser Leu Pro Lys Ser Phe Lys Arg Lys Ile Ser Val Val Ser Ala
35 40 45

<210> 575
<211> 37
<212> PRT
<213> Homo sapiens

<400> 575
Val Asp Leu His Ala Asp Asp Ser Arg Ile Ser Glu Asp Glu Thr Glu
1 5 10 15
Arg Asn Gly Asp Asp Gly Thr His Asp Lys Gly Leu Lys Ile Cys Arg
20 25 30
Thr Val Thr Gln Val
35

<210> 576
<211> 55
<212> PRT
<213> Homo sapiens

<400> 576
Pro Gln Val Ser Val Glu Val Ala Leu Pro Pro Pro Ala Glu His Glu
1 5 10 15
Val Lys Lys Val Thr Leu Gly Asp Thr Leu Thr Arg Arg Ser Ile Ser
20 25 30
Gln Gln Lys Ser Gly Val Ser Ile Thr Ile Asp Asp Pro Val Arg Thr
35 40 45
Ala Gln Val Pro Ser Pro Pro
50 55

<210> 577
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 577
 Leu Lys Glu Leu Leu Gly Arg Thr Gly Thr Leu Val Glu Glu Ala Phe
 1 5 10 15
 Trp Ile Asp Lys Ile Lys Ser His Cys Phe Val Thr Tyr Ser Thr Val
 20 25 30
 Glu Glu Ala Val Ala Thr Arg Thr Ala Leu His Gly Val Lys Trp Pro
 35 40 45
 Gln Ser Asn Pro Lys Phe Leu
 50 55

<210> 578
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 578
 Val Asp Arg Pro Ser Glu Thr Lys Thr Glu Glu Gln Gly Ile Pro Arg
 1 5 10 15
 Pro Leu His Pro Pro Pro Pro Pro Val Gln Pro Pro Gln His Pro
 20 25 30
 Arg Ala Glu Gln Arg Glu Gln Glu Arg Ala Val Arg Glu Gln Trp Ala
 35 40 45
 Glu Arg Glu Arg Glu
 50

<210> 579
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 579
 Glu Trp Asp Arg Asp Lys Val Arg Glu Gly Pro Arg Ser Arg Ser Arg
 1 5 10 15
 Ser Arg Xaa Arg Arg Arg Lys Glu Arg Ala Lys Ser Lys Glu Lys Lys
 20 25 30
 Ser Glu Lys Lys Glu Lys Ala Gln Glu Glu Pro Pro Ala Lys Leu Leu
 35 40 45

Asp Asp Leu Phe Arg Lys Thr Lys Ala Ala Pro
50 55

<210> 580
<211> 64
<212> PRT
<213> Homo sapiens

<400> 580
Pro Leu Thr Asp Ser Gln Ile Val Gln Lys Glu Ala Glu Arg Ala Glu
1 5 10 15

Arg Ala Lys Glu Arg Glu Lys Arg Arg Lys Glu Gln Glu Glu Glu
20 25 30

Gln Lys Glu Arg Glu Lys Glu Ala Glu Arg Glu Arg Asn Arg Gln Leu
35 40 45

Glu Arg Glu Lys Arg Arg Glu His Ser Arg Glu Arg Asp Arg Glu Arg
50 55 60

<210> 581
<211> 32
<212> PRT
<213> Homo sapiens

<400> 581
Leu Asp Val Pro Leu Ala Ser Arg Ser Pro Glu Phe Pro Leu Pro Leu
1 5 10 15

Met Thr Gln Ser Glu Leu Pro Arg Cys Pro Pro His Pro Gly Ala Arg
20 25 30

<210> 582
<211> 15
<212> PRT
<213> Homo sapiens

<400> 582
Leu Ala Thr Leu Ser Ile Ser Pro Ile Trp Ser Val Leu Ser Leu
1 5 10 15

<210> 583
<211> 51
<212> PRT
<213> Homo sapiens

<400> 583

Gly Cys Asp Ser Cys Pro Pro His Leu Pro Arg Glu Ala Phe Ala Gln
 1 5 10 15

Asp Thr Gln Ala Glu Gly Glu Cys Ser Ser Arg Ala Glu Arg Ala Asp
 20 25 30

Met Cys Pro Asp Ala Pro Pro Ser Gln Glu Val Pro Glu Gly Pro Gly
 35 40 45

Ala Ala Pro
 50

<210> 584

<211> 91

<212> PRT

<213> Homo sapiens

<400> 584

Arg Gly Trp Leu Pro Ser Ser Cys Leu Ser Cys Ala Leu Arg Val Cys
 1 5 10 15

Pro Asp Ser Ser Ser Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp
 20 25 30

Leu Pro Gly Ala Ser Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu
 35 40 45

Asp Glu Asp Thr Asp Thr Asp Glu Tyr Lys Glu Ala Lys Ala Ser Ile
 50 55 60

Asn Pro Val Thr Gly Arg Val Glu Glu Lys Pro Pro Asn Pro Met Glu
 65 70 75 80

Gly Met Thr Glu Glu Gln Lys Glu His Glu Ala
 85 90

<210> 585

<211> 27

<212> PRT

<213> Homo sapiens

<400> 585

Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp Leu Pro Gly Ala Ser
 1 5 10 15

Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu
 20 25

<210> 586

<211> 50

<212> PRT

<213> Homo sapiens

<400> 586

Pro Gln Leu Pro Ser Cys Gly Arg Pro Trp Pro Gly Thr Ala Ser Val
 1 5 10 15

Phe Gln Ser His Thr Gln Gly Pro Arg Glu Asp Pro Asp Pro Cys Arg
 20 25 30

Ala Gln Gly Ser Ala Gly Thr His Cys Pro Ile Ser Leu Ser Pro Pro
 35 40 45

Arg Gln
 50

<210> 587

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 587

Lys Thr His Pro Arg Ala Leu Trp Ser Ala Gly Pro Ser Cys Ala Leu
 1 5 10 15

Cys Pro Gly Gly Ser Gly Xaa Thr Ser Pro Pro Gln Gly Ala Pro Arg
 20 25 30

Gly Ile Xaa Trp Asp Arg Cys Pro Gln Ile Gln Val Leu Glu Gly Gln
 35 40 45

Arg Val Arg Phe Pro Ser Gln Pro Gln His Pro Ser His Leu Ala Pro
 50 55 60

Arg Gly Gly Cys Gly Trp Arg Pro Asp Ser Arg Pro Leu Leu Pro Thr
 65 70 75 80

Pro Ser Gly Leu Ser Ser Phe Phe Pro Leu Asp Ala Gln Cys Trp Pro
 85 90 95

Trp Arg Thr Val Ser Trp Arg
 100

<210> 588

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 588

Ala Gly Ala Pro Gly Gln Gln Ala Arg Leu Gln Tyr Leu Leu Ser Phe
1 5 10 15

Gln Gly Glu Gly Ala Pro His Glu Xaa Gly Ala Thr Gly Glu Gly Gly
20 25 30

Asp Gly Ala Trp Glu Ala Cys Xaa Cys Xaa Arg Cys Leu Leu Asn Trp
35 40 45

Gln Ala Gly Gly Trp Gly Leu Gln Leu Ser Leu Met Trp Leu His Arg
50 55 60

Gly Pro Leu Arg Pro Pro Gly Val Arg Trp Thr Pro Trp Ala Phe Leu
65 70 75 80

Glu Ala Cys Ser Trp Gly Pro Ala Leu Ser Leu Leu Gly Ser Gly His
85 90 95

Ser Leu Pro Gly Thr His Glu Gln Ala Ala Trp Ser Arg Gly Cys Gly
100 105 110

Gln His Gly Gln Ser Pro Thr Gln Lys Cys Lys Ser Ser Lys Glu Pro
115 120 125

Leu Ala Gln Ala Pro Pro Trp Asp Ser Pro Ala Ala Pro Pro His Gln
130 135 140

Gly Phe Ala Asp Val Leu Glu Arg Pro Thr Leu Glu Pro Phe Gly Val
145 150 155 160

Leu Ala Pro Pro Val Pro Ser Ala Leu Val Glu Ala Ala Xaa Gln Val
165 170 175

Leu Leu Arg Glu Pro Gln Gly Gly Phe Xaa Gly Thr Ala Ala His Arg

180

185

190

Ser Arg Cys Trp Lys Gly Ser Gly
195 200

<210> 589

<211> 145

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 589

Met Gln Leu Leu Phe Leu Leu Pro His Pro Ser Pro Gln Leu His Ala
1 5 10 15

Ser Leu Pro His Ser Ala Ala Leu Pro Cys Pro Arg Gly Glu Ser Leu
20 25 30

Thr Thr Ala Ser Pro Ala Gly Ala Ala Gly Arg Xaa Asp Ala Val Pro
35 40 45

Arg Cys Arg His Gln Ala Gly Arg Gly Trp Val Pro Arg Gly Pro Cys
50 55 60

Glu Arg Gly Gly Gly Asp Arg Gly Lys Pro Arg Ala Val Ala Trp Asp
65 70 75 80

Xaa Gly Ser Leu Arg Trp Ala Val Trp Ser Ala Arg Ala Gly Gln Gly
85 90 95

Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr
100 105 110

Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg Xaa Gly Arg Arg
115 120 125

Gly Arg Gly Val Met Val Pro Gly Lys Pro Ala Cys Ala Xaa Gly Ala
130 135 140

Cys
145

<210> 590
<211> 34
<212> PRT
<213> Homo sapiens

<400> 590
Gln His Pro Ser His Leu Ala Pro Arg Gly Gly Cys Gly Trp Arg Pro
1 5 10 15
Asp Ser Arg Pro Leu Leu Pro Thr Pro Ser Gly Leu Ser Ser Phe Phe
20 25 30

Pro Leu

<210> 591
<211> 30
<212> PRT
<213> Homo sapiens

<400> 591
Gly Val Arg Trp Thr Pro Trp Ala Phe Leu Glu Ala Cys Ser Trp Gly
1 5 10 15
Pro Ala Leu Ser Leu Leu Gly Ser Gly His Ser Leu Pro Gly
20 25 30

<210> 592
<211> 28
<212> PRT
<213> Homo sapiens

<400> 592
Trp Asp Ser Pro Ala Ala Pro Pro His Gln Gly Phe Ala Asp Val Leu
1 5 10 15
Glu Arg Pro Thr Leu Glu Pro Phe Gly Val Leu Ala
20 25

<210> 593
<211> 28
<212> PRT
<213> Homo sapiens

<400> 593
Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr
1 5 10 15
Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg
20 25

<210> 594
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 594
 Pro Gly Phe Arg Gly Pro Ser Gly Ser Leu Gly Cys Ser Phe Phe Pro
 1 5 10 15
 Arg Ser Leu Gly Arg Val Leu Pro Pro Gly Cys Gln Arg Pro Gly Ala
 20 25 30
 His Ala Asp Ser Ser Pro Pro Pro Thr Pro
 35 40

<210> 595
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 595
 Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys
 1 5 10 15
 Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu
 20 25 30
 Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln
 35 40 45
 Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys
 50 55 60
 Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys
 65 70 75 80
 Val Leu Leu Ser

<210> 596
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 596
 Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys
 1 5 10 15
 Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu
 20 25 30
 Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln
 35 40 45

Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys
 50 55 60

Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys
 65 70 75 80

Val Leu Leu Ser Asp Ser Asn Leu His Asp
 85 90

<210> 597

<211> 34

<212> PRT

<213> Homo sapiens

<400> 597

Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys Ala Ser Cys Pro
 1 5 10 15

Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys Val Leu Leu Ser
 20 25 30

Asp Ser

<210> 598

<211> 25

<212> PRT

<213> Homo sapiens

<400> 598

Ser Cys Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys
 1 5 10 15

Gly Leu Ala Glu Glu Leu Glu Lys Glu
 20 25

<210> 599

<211> 21

<212> PRT

<213> Homo sapiens

<400> 599

Ser Gln Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe
 1 5 10 15

Arg Cys Ala Ser Cys
 20

<210> 600

<211> 17

<212> PRT

<213> Homo sapiens

<400> 600

Arg Glu Ala Gly Gln Asn Ser Glu Arg Gln Tyr Val Ser Leu Ser Arg
 1 5 10 15

Asp

<210> 601

<211> 16

<212> PRT

<213> Homo sapiens

<400> 601

Cys Cys Cys Val Ser Lys Asp Gln Gly Ile Met Gly Pro Gly Phe Arg
 1 5 10 15

<210> 602

<211> 103

<212> PRT

<213> Homo sapiens

<400> 602

His Ser Val Thr Glu Leu Gln Thr Pro Ala Leu Ser Leu Ile Ser Ala
 1 5 10 15

Met Leu Pro Pro Ser Cys Leu Ser Glu Leu Leu Val Tyr Ser Ile Leu
 20 25 30

Cys Asp Thr Ser Gln Val Ala His Asn Leu Leu Arg Ala Pro Glu Asp
 35 40 45

Ser Leu Thr Gly Cys Cys Asp Asp Ile Gln Cys Pro Ser Ala Pro Phe
 50 55 60

His Pro Gln Pro His Leu Thr Val Ala Leu His Leu Cys Pro Val Val
 65 70 75 80

Ile Tyr Val Asn Leu Gln Val Leu Asn Leu Leu His Ile Leu Thr Tyr
 85 90 95

Leu Glu Ile Leu His Val Leu
 100

<210> 603

<211> 24

<212> PRT

<213> Homo sapiens

<400> 603

Leu Leu Val Tyr Ser Ile Leu Cys Asp Thr Ser Gln Val Ala His Asn
 1 5 10 15

Leu Leu Arg Ala Pro Glu Asp Ser

20

<210> 604
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 604
 Leu Thr Val Ala Leu His Leu Cys Pro Val Val Ile Tyr Val Asn Leu
 1 5 10 15
 Gln Val Leu Asn Leu Leu His Ile Leu Thr
 20 25

<210> 605
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 605
 Phe Phe Asn Ala Leu Tyr Val Phe Arg Lys Pro Gln Ala Ile Phe Asp
 1 5 10 15
 Ser Glu Lys Glu Asn Lys Arg Lys Asn Pro Thr Lys Tyr Asn Asn Pro
 20 25 30
 Leu Arg Tyr Ile Tyr Phe Lys Val Lys Leu Ile Phe Gln Phe Ile Pro
 35 40 45
 Leu Ala Asn Tyr Lys Ile Lys
 50 55

<210> 606
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 606
 Glu Ser Ser Gly Gln Ala Arg Thr Leu Ala Asp Pro Gly Pro Gly Trp
 1 5 10 15
 Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu Ser Thr
 20 25 30
 Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro Arg Leu
 35 40 45
 Ile Glu Ser Leu Ser Gln Met Leu Ser Met Gly Phe Ser Asp Glu Gly
 50 55 60
 Gly Trp Leu Thr Arg Leu Leu Gln Thr Lys Asn Tyr Asp Ile Gly Ala
 65 70 75 80
 Ala Leu Asp Thr Ile Gln Tyr Ser Lys His
 85 90

<210> 607
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 607
 Tyr Ser Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu
 1 5 10 15
 Asp Gly Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala
 20 25 30
 Ala Pro Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser
 35 40 45
 Lys Ser Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser
 50 55 60
 Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu
 65 70 75 80
 Glu Cys Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys
 85 90 95
 Arg Cys Asp Arg
 100

<210> 608
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 608
 Leu Ser Pro Ser Pro Arg Cys Cys Pro Trp Ala Ser Leu Met Lys Ala
 1 5 10 15
 Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met Thr Ser Glu Arg
 20 25 30
 Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile Pro Arg Arg Cys Asp His
 35 40 45
 Phe Cys Pro Pro Leu Leu Arg Ala Pro Leu Leu Ser His Ser Cys Val
 50 55 60
 Lys Leu Ala
 65

<210> 609
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 609

Gly Trp Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu
 1 5 10 15

Ser Thr Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro
 20 25 30

Arg Leu

<210> 610

<211> 33

<212> PRT

<213> Homo sapiens

<400> 610

Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro Asp
 1 5 10 15

Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser Cys
 20 25 30

Ser

<210> 611

<211> 25

<212> PRT

<213> Homo sapiens

<400> 611

Ser Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met
 1 5 10 15

Glu Glu Cys Asn Asn Trp Leu Thr Gly
 20 25

<210> 612

<211> 30

<212> PRT

<213> Homo sapiens

<400> 612

Leu Met Lys Ala Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met
 1 5 10 15

Thr Ser Glu Arg Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile
 20 25 30

<210> 613

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 613

Ser Ser Ser Ser Pro Arg Arg Pro Arg Glu Leu Leu Gly Ser Leu Lys
1 5 10 15

Thr Pro Leu Val Arg Pro His Ser Ala Pro Leu Asp Leu Pro Gly Ser
20 25 30

Phe Cys Xaa His Thr Ala Asp Pro Met Gly Ala Leu His Thr Arg Phe
35 40 45

Trp Gly Arg Gln Thr Trp Ile His Arg Lys Leu Arg Leu His Gly Thr
50 55 60

Ser Arg Leu Ala Ser Lys Xaa Gly Ile Gln Phe Leu Arg Asn Pro Ser
65 70 75 80

Lys Thr His Thr Pro Arg Asp Ala Ala Phe Arg Asp Pro Gly Gln Thr
85 90 95

Pro Asp Pro Gln Ser Leu Gln Ala Pro Ser Pro Ser Lys Cys Ser Ala
100 105 110

Pro Asn Arg Ala Thr Ser Val Trp Ser Leu Lys Pro Arg Leu Leu Tyr
115 120 125

Lys His Arg Pro Ser Ser Asp Lys Thr Pro Pro Pro Gly Arg Gln Ala
130 135 140

Pro Leu Leu Phe Phe Ser Ala Gly
145 150

<210> 614

<211> 30

<212> PRT

<213> Homo sapiens

<400> 614

Phe Leu Arg Asn Pro Ser Lys Thr His Thr Pro Arg Asp Ala Ala Phe
1 5 10 15

Arg Asp Pro Gly Gln Thr Pro Asp Pro Gln Ser Leu Gln Ala
20 25 30

<210> 615

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 615

Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 1 5 10 15

Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 20 25 30

Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His
 35 40 45

His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile
 50 55 60

Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 65 70 75 80

Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 85 90 95

His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 100 105 110

Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 115 120 125

Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
 130 135 140

Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp
 145 150 155

<210> 616

<211> 35

<212> PRT

<213> Homo sapiens

<400> 616

Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile Tyr Phe Asp Gln Val
 1 5 10 15

Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala Ser Gly Ser Phe Val
 20 25 30

Ala Pro Val
 35

<210> 617

<211> 25

<212> PRT

<213> Homo sapiens

<400> 617

Asn Asp Pro Asp Val Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu
 1 5 10 15

Pro Leu Asp Pro Gly Asp Arg Val Ser
 20 25

<210> 618

<211> 11

<212> PRT

<213> Homo sapiens

<400> 618

Phe His Val Val Lys Val Tyr Asn Arg Gln Thr
 1 5 10

<210> 619

<211> 9

<212> PRT

<213> Homo sapiens

<400> 619

Ile Tyr Phe Asp Gln Val Leu Val Asn
 1 5

<210> 620

<211> 25

<212> PRT

<213> Homo sapiens

<400> 620

Glu Ser Arg Glu Arg Ser Gly Asn Arg Arg Gly Ala Glu Asp Arg Gly
 1 5 10 15

Thr Cys Gly Leu Gln Ser Pro Ser Ala
 20 25

<210> 621

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

> SITE
 > (31)
 > Xaa equals any of the naturally occurring L-amino acids
 >
 > SITE
 > (34)
 > Xaa equals any of the naturally occurring L-amino acids
 >
 > SITE
 > (37)
 > Xaa equals any of the naturally occurring L-amino acids

1> 621

Met Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln
 5 10 15

Pro Met Gln Arg Gly Gly Ile Gly Ala Arg Gly Ser Xaa Xaa Pro
 20 25 30

Xaa Ala Val Xaa Gly Ala Arg Glu Gly Arg Arg Lys Leu Ser Gly
 35 40 45

Gly Phe Leu Cys Leu Lys Asp Leu Gly Pro Ser Glu Arg Glu Asp
 50 55 60

Glu Ala Arg Glu Thr
 70

.0> 622

.1> 27

.2> PRT

.3> Homo sapiens

10> 622

: Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln Val
 1 5 10 15

o Met Gln Arg Gly Gly Ile Gly Ala Arg Gly
 20 25

10> 623

11> 185

12> PRT

13> Homo sapiens

.00> 623

n Ala Thr Cys Ser Ala Ser Gly Ser Pro Gly Gln Phe Gly Gly Cys
 1 5 10 15

ir Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly Gln Gly
 20 25 30

au Arg Arg Ser Gln Arg Pro Gly Gln Ser His Arg Pro Arg Ser Pro
 35 40 45

Gly Pro Gly Arg Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro
50 55 60

Leu Leu Ala His Gly Gly Gly Phe Gly Pro Gln Gln Met Pro Leu Ala
65 70 75 80

Gln Gly Val Pro Leu Pro Gly Leu Leu Pro Arg Ala Pro Leu Gln Gln
85 90 95

Leu Gly Gln Ala His Arg Pro Pro Gly Thr Pro Pro Pro Ala Gly Arg
100 105 110

Ala Leu Thr Pro Pro Gly Pro Thr Arg Pro Pro Gly Pro Glu Ala Pro
115 120 125

Glu Pro Arg Ala Ala Arg Asp Cys Val Gly Asp Leu Val Ala Ser Val
130 135 140

Ala Trp Leu Pro Thr Trp Leu Arg Gly Ser Ala Thr His Lys Cys Pro
145 150 155 160

Gly Leu Leu Pro Leu Phe Cys Phe Arg Ser Ser Pro Trp Ile Leu Thr
165 170 175

Ala Gly Thr Leu Ile Val Cys Pro Leu
180 185

<210> 624

<211> 25

<212> PRT

<213> Homo sapiens

<400> 624

Gly Cys Thr Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly
1 5 10 15

Gln Gly Leu Arg Arg Ser Gln Arg Pro
20 25

<210> 625

<211> 26

<212> PRT

<213> Homo sapiens

<400> 625

Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro Leu Leu Ala His
1 5 10 15

Gly Gly Gly Phe Gly Pro Gln Gln Met Pro
20 25

<210> 626

<211> 28

<212> PRT

<213> Homo sapiens

<400> 626

Asp Cys Val Gly Asp Leu Val Ala Ser Val Ala Trp Leu Pro Thr Trp
1 5 10 15

Leu Arg Gly Ser Ala Thr His Lys Cys Pro Gly Leu
20 25

<210> 627

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 627

Asp Asp Arg Pro Arg Val Gln His Gln Ala His Leu Asp Ser Leu Ala
1 5 10 15

Val Val His Leu His His Met Glu Pro Glu Ala Val Asp Thr Pro Asp
20 25 30

Arg Gly Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val
35 40 45

His Gln Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly
50 55 60

Phe Pro Cys Trp Leu Met Val Val Ala Ser Asp Arg Xaa Lys Cys His
65 70 75 80

Ser Pro Arg Gly Cys Leu Ser Gln Gly Cys Ser Pro Gly Pro Pro Cys
85 90 95

Ser Ser Ser Ala Arg Leu Thr Asp His Gln Ala Leu Pro Leu Gln Gln
100 105 110

Asp Gly Leu
115

<210> 628

<211> 31

<212> PRT

<213> Homo sapiens

<400> 628

Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val His Gln
1 5 10 15

Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly Phe
20 25 30

<210> 629
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 629
 Met Ala Pro Leu Val Pro Leu Pro Val Ser Pro Ala Gly Ser Trp Trp
 1 5 10 15
 Trp Leu Arg Thr Ala Xaa Asn Ala Thr Arg Pro Gly Gly Ala Ser Pro
 20 25 30
 Arg Ala Ala Pro Pro-Gly Pro Pro Ala Ala Ala Arg Pro Gly Ser Gln
 35 40 45
 Thr Thr Arg His Ser Pro Ser Ser Arg Thr Gly Ser Asp Pro Ser Trp
 50 55 60
 Ala His Pro Ala Pro Arg Ala Arg Ser Thr Arg Thr Lys Gly Ser Pro
 65 70 75 80
 Gly Leu Cys Arg Gly Pro Gly Ser Gln Cys Gly Leu Ala Pro Asn Met
 85 90 95
 Ala Glu Gly Leu Cys Asn Pro Gln Val Pro Arg Ser Ser Ala Pro Leu
 100 105 110
 Leu Phe Pro Leu Leu Ser Leu Asp Ser His Arg Arg His Pro Asp Ser
 115 120 125
 Leu Pro Ser Leu Gly Ser Leu Asn Pro Leu Ser Ile Pro Val Ser Gln
 130 135 140
 Leu Cys Pro Ala Ser His Ser Tyr Ser Cys Cys His Cys Ser Ser
 145 150 155

<210> 630
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 630
 Ser Ser Arg Thr Gly Ser Asp Pro Ser Trp Ala His Pro Ala Pro Arg
 1 5 10 15
 Ala Arg Ser Thr Arg Thr Lys Gly Ser Pro Gly Leu Cys
 20 25

<210> 631
 <211> 27

<212> PRT

<213> Homo sapiens

<400> 631

Arg Arg His Pro Asp Ser Leu Pro Ser Leu Gly Ser Leu Asn Pro Leu
1 5 10 15

Ser Ile Pro Val Ser Gln Leu Cys Pro Ala Ser
20 25

<210> 632

<211> 31

<212> PRT

<213> Homo sapiens

<400> 632

Ser Thr His Ala Ser Gly Pro Pro Ala Pro Glu Arg Leu Cys Leu Pro
1 5 10 15

Glu Arg Gly Thr Ala Pro Trp Gly Arg Arg Ala Asn Asp Ala Ala
20 25 30

<210> 633

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 633

Val Arg Arg Trp Trp Leu Arg Thr Met Gly Ala Ala Ala His Cys Thr
 1 5 10 15

Pro Glu Gln Arg Arg Pro Arg Arg Pro Ala Thr Ile Leu Gly Met Asp
 20 25 30

Thr Gln Asn Ile Leu His Thr Arg Leu Ser Leu Cys Ser Leu Ser Trp
 35 40 45

Val Ser Leu Ala Ser Ser Phe Xaa Xaa Leu Ala Xaa Arg Arg Lys Ala
 50 55 60

Ile Val Val Gln Gln Lys Gln Ser Lys Ile Ser Lys Lys Lys Lys Val
 65 70 75 80

Glu Lys Xaa Xaa Leu Asn Asp Ser Val Asn Glu Asn Ser Asp Thr Val
 85 90 95

Gly Gln Ile Val His Tyr Ile Met Lys Asn Glu Ala Asn Ala Asp Val
 100 105 110

Leu Lys Ala Met Val Ala Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro
 115 120 125

Val Thr Pro Ser Thr Pro Gly Ser Pro Pro Val Ser Pro Gly Leu Cys
 130 135 140

His Gln Gly Gly Arg Gln Gly Ser Thr Ser Val Ala Ile Ile Cys Ile
 145 150 155 160

Arg Trp Ala Val Xaa Ser Arg Gly Met Cys Val Ile Gly Val Gly Thr
 165 170 175

Ser Gly Gly Thr Leu
 180

<210> 634

<211> 29

<212> PRT

<213> Homo sapiens

<400> 634

Ile Met Lys Asn Glu Ala Asn Ala Asp Val Leu Lys Ala Met Val Ala
 1 5 10 15

Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro Val Thr Pro
 20 25

<210> 635

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 635

His Cys His Leu Trp Ala Ser Gly Ser Cys Leu Ala Cys Phe Phe Pro
 1 5 10 15

Gly Gly Leu Thr Arg Asp Ala Ala Gln Gln His Val Thr Lys Ser Tyr
 20 25 30

Ser Pro Pro Tyr Leu Ser Gln Thr Ser His Ser Cys Leu Val Phe Gln
 35 40 45

Pro Val Leu Trp Pro Glu Tyr Thr Phe Trp Asn Leu Phe Glu Ala Ile
 50 55 60

Leu Gln Phe Gln Met Asn His Ser Val Leu Gln Gln Xaa Gly Pro Arg
 65 70 75 80

His Val Cys Arg Gly Ala Glu Glu Ala Ala Ala Gly Glu Gly Pro Gly
 85 90 95

Tyr Ser Asp Arg Ala Ala Ala Ala Arg Gly Ala Pro Ser Gln Trp Gly
 100 105 110

Arg Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly
 115 120 125

Arg Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln Ala Ser
 130 135 140

<210> 636

<211> 28

<212> PRT

<213> Homo sapiens

<400> 636

Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly Arg
 1 5 10 15

Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln
 20 25

<210> 637

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 637

Thr Ile Ala Cys Phe Ser Xaa Lys Ala Arg Asp Met Tyr Ala Glu Glu

1	5	10	15
Arg Lys Arg Gln Gln Leu Glu Arg Asp Gln Ala Thr Val Thr Glu Gln	20	25	30
Leu Leu Arg Glu Gly Leu Gln Ala Ser Gly Asp Ala Gln Leu Arg Arg	35	40	45
Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg Val Gln Gly	50	55	60
Phe Leu Gln Ala Leu Glu Leu Lys Arg Ala Asp Trp Leu Ala Arg Leu	65	70	75
Gly Thr Ala Ser Ala	85		

<210> 638

<211> 28

<212> PRT

<213> Homo sapiens

<400> 638

Leu Arg Arg Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg	1	5	10	15
---	---	---	----	----

Val Gln Gly Phe Leu Gln Ala Leu Glu Leu Lys Arg	20	25
---	----	----

<210> 639

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 639

Lys Met Asn Ser Ile Pro Trp Gln Ile Pro Lys Ile Thr Pro Xaa Leu	1	5	10	15
---	---	---	----	----

Asp Ala Asn Leu Val Ile Val Glu Cys Lys Pro Leu Trp Phe Cys Ile	20	25	30
---	----	----	----

Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln Val Phe Met Gly Phe	35	40	45
---	----	----	----

Lys Ser Met Phe Phe Arg Ile Gly Lys Leu Asn Tyr Leu Phe Thr Ile	50	55	60
---	----	----	----

Pro Tyr Cys Tyr Leu Phe Ile Asp Asn Ile Leu Gly Ile Phe Tyr Ser	65	70	75	80
---	----	----	----	----

Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln Arg Ile				
---	--	--	--	--

85

90

95

Phe Thr Cys Leu Leu Asn Leu Asn Leu Lys Ile His Ser Asn Leu Ala
 100 105 110

<210> 640

<211> 27

<212> PRT

<213> Homo sapiens

<400> 640

Leu Trp Phe Cys Ile Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln
 1 5 10 15

Val Phe Met Gly Phe Lys Ser Met Phe Phe Arg
 20 25

<210> 641

<211> 26

<212> PRT

<213> Homo sapiens

<400> 641

Tyr Ser Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln
 1 5 10 15

Arg Ile Phe Thr Cys Leu Leu Asn Leu Asn
 20 25

<210> 642

<211> 9

<212> PRT

<213> Homo sapiens

<400> 642

Thr Phe Lys Leu Val Arg Phe Leu Glu
 1 5

<210> 643

<211> 32

<212> PRT

<213> Homo sapiens

<400> 643

Pro Arg Ser Arg Pro Ala Leu Arg Pro Gly Arg Gln Arg Pro Pro Ser
 1 5 10 15

His Ser Ala Thr Ser Gly Val Leu Arg Pro Arg Lys Lys Pro Asp Pro
 20 25 30

<210> 644
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 644
 Arg Lys Ser Phe Ala Lys Pro Val Leu Trp Thr Asn Ala Ile Gln Ala
 1 5 10 15
 Gly Arg Gly Arg Val Leu Cys Tyr Thr Arg Pro Pro Pro Ala Ser Ser
 20 25 30
 Ser Phe Ser Ala Leu Val Pro Asp Gly Asn Arg Met Glu Gly Leu Arg
 35 40 45
 Thr Tyr Phe Leu Asn Ala Phe Asp Pro Gly Thr Asp Tyr Leu Tyr Leu
 50 55 60
 Phe Pro Phe Ser Phe Thr Val Thr Phe Gln His Cys Leu Thr Val Arg
 65 70 75 80
 Trp Ala Phe Glu Ser Leu Gln Val Pro Gln Asn Arg Pro Glu Arg Trp
 85 90 95
 Ala Ser His Pro Leu Pro Thr His Xaa Pro Ala Tyr Leu Pro Asp Asn
 100 105 110
 Gln Val Xaa Met Ser Ala Ser Gly
 115 120

<210> 645
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 645
 Gly Asn Arg Met Glu Gly Leu Arg Thr Tyr Phe Leu Asn Ala Phe Asp
 1 5 10 15
 Pro Gly Thr Asp Tyr Leu Tyr Leu Phe
 20 25

<210> 646

<211> 30
 <212> PRT
 <213> Homo sapiens

<400> 646
 Phe Gln His Cys Leu Thr Val Arg Trp Ala Phe Glu Ser Leu Gln Val
 1 5 10 15

Pro Gln Asn Arg Pro Glu Arg Trp Ala Ser His Pro Leu Pro
 20 25 30

<210> 647
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 647
 Met Thr Leu Ile Thr Pro Ser Xaa Lys Leu Thr Phe Xaa Lys Gly Asn
 1 5 10 15

Lys Ser Trp Ser Ser Arg Ala Cys Ser Ser Thr Leu Val Asp Pro
 20 25 30

<210> 648
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 648
 Phe Leu Phe Leu His Ala Val Asp Pro Trp Pro Ser Asn Gly
 1 5 10

<210> 649
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 649
 Trp Ser Cys Gln Ser Gly Val Phe Leu Val Phe Thr Gly Cys Ser Val
 1 5 10 15

Leu Cys Gln Met Leu Ser Gly Ala Val Val Val Trp Arg Arg Ser Ala
 20 25 30

Pro Glu Asp Ser Ala Val Trp Gln Ala Ser Ile Asn Lys Pro Arg Gly

35

40

45

Lys Gly Arg His Gly Ile Lys Gly Glu Asn Thr Ser Val
 50 55 60

<210> 650

<211> 35

<212> PRT

<213> Homo sapiens

<400> 650

Leu Val Phe Thr Gly Cys Ser Val Leu Cys Gln Met Leu Ser Gly Ala
 1 5 10 15

Val Val Val Trp Arg Arg Ser Ala Pro Glu Asp Ser Ala Val Trp Gln
 20 25 30

Ala Ser Ile
 35

<210> 651

<211> 51

<212> PRT

<213> Homo sapiens

<400> 651

Gly His Pro Ser Pro Ala Leu Ser Ile Ala Pro Ser Asp Gly Ser Gln
 1 5 10 15

Leu Pro Cys Asp Glu Val Pro Tyr Gly Glu Ala His Val Thr Arg Tyr
 20 25 30

Cys Lys Lys Pro Leu Thr Asn Ser His Leu Glu Thr Glu Ala Gln Ser
 35 40 45

Ser Ser Leu
 50

<210> 652

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 652

Asn Asn Lys His Tyr Leu Ser Phe Cys Gly Ser Gly Phe Cys Pro Val

1	5	10	15												
Tyr	Leu	Gly	Phe	Thr	Gly	Leu	Ala	Ser	His	Gln	Ala	Val	Lys	Val	Leu
	20							25					30		
Val	Val	Ala	Val	Ile	Ile	Pro	Arg	Gln	Asp	Arg	Glu	Arg	Ile	Cys	Leu
	35						40					45			
Gln	Ala	Gln	Val	Gly	Arg	Ile	His	Leu	Arg	Gly	Cys	Trp	Thr	Gly	Pro
	50					55					60				
Pro	Phe	Leu	Asp	Gly	Tyr	Trp	Ser	Glu	Ala	Phe	Tyr	Asn	Thr	Leu	Ser
	65				70					75				80	
Arg	Gly	Pro	Leu	His	Arg	Ala	Pro	His	His	Met	Ala	Thr	Gly	Phe	His
				85					90					95	
Gln	Arg	Glu	Gln	Trp	Lys	Glu	Gln	Glu	Lys	Gly	Asp	Gln	Gly	Arg	His
			100					105					110		
Arg	Ser	Leu	Leu	Val	Ala	Ser	Pro	Gln	Lys	Arg	Cys	Tyr	Phe	Cys	Cys
		115					120					125			
Ile	Leu	Xaa	Val	Arg	Ser	Glu	Ser	Leu	Gly	Pro	Gly	Val	Glu	Phe	Tyr
	130					135					140				
Xaa	Gly	Val	Asn	Gly	Arg	Arg									
	145				150										

<210> 653

<211> 32

<212> PRT

<213> Homo sapiens

<400> 653

Glu	Arg	Ile	Cys	Leu	Gln	Ala	Gln	Val	Gly	Arg	Ile	His	Leu	Arg	Gly
1				5					10					15	

Cys	Trp	Thr	Gly	Pro	Pro	Phe	Leu	Asp	Gly	Tyr	Trp	Ser	Glu	Ala	Phe
			20					25					30		

<210> 654

<211> 26

<212> PRT

<213> Homo sapiens

<400> 654

Ser	Asp	Gly	Ser	Gln	Leu	Pro	Cys	Asp	Glu	Val	Pro	Tyr	Gly	Glu	Ala
1				5					10					15	

His	Val	Thr	Arg	Tyr	Cys	Lys	Lys	Pro	Leu
			20					25	

<210> 655
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 655
 His Gln Arg Glu Gln Trp Lys Glu Gln Glu Lys Gly Asp Gln Gly Arg
 1 5 10 15
 His Arg Ser Leu Leu Val Ala Ser Pro Gln Lys
 20 25

<210> 656
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 656
 GCTTCGTGTC CAACCCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60
 GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 657
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 657
 GCTTCGTGTC CAACCCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60
 GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 658
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 658
 GCTTCGTGTC CAACCCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60

GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 659
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 659
 Phe Arg Ile Asn Arg Leu Thr Ile Gly Xaa Ala Val Ala Met Thr Arg
 1 5 10 15
 Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys Asn Met Lys Lys Gln Ser
 20 25 30
 Asp Ser Val Lys Gly Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Ala
 35 40 45
 Arg Lys Gln Arg Asp Ser Glu Ile
 50 55

<210> 660
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 660
 Ala Val Ala Met Thr Arg Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys
 1 5 10 15
 Asn Met Lys Lys Gln Ser Asp Ser Val Lys Gly Lys Arg
 20 25

<210> 661
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 661
 Lys Ser Arg Ala Thr Arg Leu Arg Glu Ser Ala Glu Met Thr Gly Phe
 1 5 10 15
 Leu Leu Pro Pro Ala Ser Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser
 20 25 30

Arg Lys Arg Gln Thr Arg Arg Arg Arg Asn Pro Ser Ser Phe Val Ala
35 40 45

Ser Cys Pro Thr Leu Leu Pro Phe Ala Cys Val Pro Gly Ala Ser Pro
50 55 60

Thr Thr Leu Ala Phe Pro Pro Val Val Leu Thr Gly Pro Ser Thr Asp
65 70 75 80

Gly Ile Pro Phe Ala Leu Ser Leu Gln Arg Val Pro Phe Val Leu Pro
85 90 95

Ser Pro Gln Val Ala Ser Leu Pro Leu Gly His Ser Arg Gly
100 105 110

<210> 662

<211> 26

<212> PRT

<213> Homo sapiens

<400> 662

Leu Arg Glu Ser Ala Glu Met Thr Gly Phe Leu Leu Pro Pro Ala Ser
1 5 10 15

Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser
20 25

<210> 663

<211> 30

<212> PRT

<213> Homo sapiens

<400> 663

Val Val Leu Thr Gly Pro Ser Thr Asp Gly Ile Pro Phe Ala Leu Ser
1 5 10 15

Leu Gln Arg Val Pro Phe Val Leu Pro Ser Pro Gln Val Ala
20 25 30

<210> 664

<211> 59

<212> PRT

<213> Homo sapiens

<400> 664

Leu Leu Ser Thr Ser His Leu Leu Thr Gln Ser Tyr Ser Phe Asn Lys
1 5 10 15

Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln Ser
20 25 30

Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile Tyr
35 40 45

Val His Phe Ile Cys Thr Phe Leu Cys Asp Ile
50 55

<210> 665
<211> 32
<212> PRT
<213> Homo sapiens

<400> 665
Lys Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln
1 5 10 15

Ser Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile
20 25 30

<210> 666
<211> 160
<212> DNA
<213> Homo sapiens

<400> 666
TGGCTCACTG TCTTACAATC ACTGCTGTGG AATCATGATA CCACTTTTAG CTCTTTGCAT 60
CTTCCTTCAG TGTATTTTGG TTTTCAAGA GGAAGTAGAT TTAACTGGA CAACTTTGAG 120
TACTGACATC ATTGATAAAT AACTGGCTT GTGGTTTCAA 160

<210> 667
<211> 292
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 667
Leu Asp Glu Leu Met Ala His Leu Thr Glu Met Gln Ala Lys Val Ala
1 5 10 15

Val Arg Ala Asp Ala Gly Lys Lys His Leu Pro Asp Lys Gln Asp His
20 25 30

Lys Ala Ser Leu Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln
35 40 45

Asp Leu Gly Ile Ala Thr Val Pro Lys Gly His Cys Ala Ser Cys Gln
50 55 60

Lys Pro Ile Ala Gly Lys Val Ile His Ala Leu Gly Gln Ser Trp His

65		70		75		80
Pro Glu His Phe Val Cys Thr His Cys Lys Glu Glu Ile Gly Ser Ser						
	85			90		95
Pro Phe Phe Glu Arg Ser Gly Leu Xaa Tyr Cys Pro Asn Asp Tyr His						
	100			105		110
Gln Leu Phe Ser Pro Arg Cys Ala Tyr Cys Ala Ala Pro Ile Leu Asp						
	115			120		125
Lys Val Leu Thr Ala Met Asn Gln Thr Trp His Pro Glu His Phe Phe						
	130			135		140
Cys Ser His Cys Gly Glu Val Phe Gly Ala Glu Gly Phe His Glu Lys						
	145			150		155
Asp Lys Lys Pro Tyr Cys Arg Lys Asp Phe Leu Ala Met Phe Ser Pro						
	165			170		175
Lys Cys Gly Gly Cys Asn Arg Pro Val Leu Glu Asn Tyr Leu Ser Ala						
	180			185		190
Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys Gly Asp Cys Phe						
	195			200		205
Thr Ser Phe Ser Thr Gly Ser Phe Phe Glu Leu Asp Gly Arg Pro Phe						
	210			215		220
Cys Glu Leu His Tyr His His Arg Arg Gly Thr Leu Cys His Gly Cys						
	225			230		235
Gly Gln Pro Ile Thr Gly Arg Cys Ile Ser Ala Met Gly Tyr Lys Phe						
	245			250		255
His Pro Glu His Phe Val Cys Ala Phe Cys Leu Thr Gln Leu Ser Lys						
	260			265		270
Gly Ile Phe Arg Glu Gln Asn Asp Lys Thr Tyr Cys Gln Pro Cys Phe						
	275			280		285
Asn Lys Leu Phe						
	290					

<210> 668

<211> 43

<212> PRT

<213> Homo sapiens

<400> 668

Lys Ala Ser Leu Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln
1 5 10 15

Asp Leu Gly Ile Ala Thr Val Pro Lys Gly His Cys Ala Ser Cys Gln
20 25 30

Lys Pro Ile Ala Gly Lys Val Ile His Ala Leu

35

40

<210> 669
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 669
 Cys Pro Asn Asp Tyr His Gln Leu Phe Ser Pro Arg Cys Ala Tyr Cys
 1 5 10 15
 Ala Ala Pro Ile Leu Asp Lys Val Leu Thr Ala Met Asn Gln Thr Trp
 20 25 30
 His Pro Glu His Phe Phe Cys Ser His Cys Gly Glu Val Phe Gly Ala
 35 40 45

Glu Gly
 50

<210> 670
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 670
 Asp Lys Lys Pro Tyr Cys Arg Lys Asp Phe Leu Ala Met Phe Ser Pro
 1 5 10 15
 Lys Cys Gly Gly Cys Asn Arg Pro Val Leu Glu Asn Tyr Leu Ser Ala
 20 25 30
 Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys Gly Asp Cys Phe
 35 40 45
 Thr Ser Phe Ser Thr Gly Ser Phe Phe Glu Leu Asp Gly Arg Pro Phe
 50 55 60
 Cys Glu Leu
 65

<210> 671
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 671
 Cys Gly Gln Pro Ile Thr Gly Arg Cys Ile Ser Ala Met Gly Tyr Lys
 1 5 10 15
 Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu Thr Gln Leu Ser
 20 25 30
 Lys Gly Ile Phe Arg Glu Gln Asn Asp Lys Thr Tyr Cys Gln
 35 40 45

<210> 672
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 672

His	Lys	Ser	Leu	Ala	Gly	Ala	Xaa	Val	Tyr	Thr	Thr	Asn	Ile	Gln	Glu	1	5	10	15
Leu	Asn	Val	Tyr	Ser	Glu	Ala	Gln	Glu	Pro	Lys	Glu	Ser	Pro	Pro	Pro	20	25	30	
Ser	Lys	Thr	Ser	Ala	Ala	Ala	Gln	Leu	Asp	Glu	Leu	Met	Ala	His	Leu	35	40	45	
Thr	Glu	Met	Gln	Ala	Lys	Val	Ala	Val	Arg	Ala	Asp	Ala	Gly	Lys	Lys	50	55	60	
His	Leu	Pro	Asp	Lys	Gln	Asp	His	Lys	Ala	Ser	Leu	Asp	Ser	Met	Leu	65	70	75	80
Gly	Gly	Leu	Glu	Gln	Glu	Leu	Gln	Asp	Leu	Gly	Ile	Ala	Thr	Val	Pro	85	90	95	
Lys	Gly	His	Cys	Ala	Ser	Cys	Gln	Lys	Pro	Ile	Ala	Gly	Lys	Val	Ile	100	105	110	
His	Ala	Leu	Gly	Gln	Ser	Trp	His	Pro	Glu	His	Phe	Val	Cys	Thr	His	115	120	125	
Cys	Lys	Glu	Glu	Ile	Gly	Ser	Ser	Pro	Phe	Phe	Glu	Arg	Ser	Gly	Leu	130	135	140	
Xaa	Tyr	Cys	Pro	Asn	Asp	Tyr	His	Gln	Leu	Phe	Ser	Pro	Arg	Cys	Ala	145	150	155	160
Tyr	Cys	Ala	Ala	Pro	Ile	Leu	Asp	Lys	Val	Leu	Thr	Ala	Met	Asn	Gln	165	170	175	
Thr	Trp	His	Pro	Glu	His	Phe	Phe	Cys	Ser	His	Cys	Gly	Glu	Val	Phe	180	185	190	
Gly	Ala	Glu	Gly	Phe	His	Glu	Lys	Asp	Lys	Lys	Pro	Tyr	Cys	Arg	Lys	195	200	205	
Asp	Phe	Leu	Ala	Met	Phe	Ser	Pro	Lys	Cys	Gly	Gly	Cys	Asn	Arg	Pro				

210 215 220
 Val Leu Glu Asn Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu
 225 230 235 240
 Cys Phe Val Cys Gly Asp Cys Phe Thr Ser Phe Ser Thr Gly Ser Phe
 245 250 255
 Phe Glu Leu Asp Gly Arg Pro Phe Cys Glu Leu His Tyr His His Arg
 260 265 270
 Arg Gly Thr Leu Cys His Gly Cys Gly Gln Pro Ile Thr Gly Arg Cys
 275 280 285
 Ile Ser Ala Met Gly Tyr Lys Phe His Pro Glu His Phe Val Cys Ala
 290 295 300
 Phe Cys Leu Thr Gln Leu Ser Lys Gly Ile Phe Arg Glu Gln Asn Asp
 305 310 315 320
 Lys Thr Tyr Cys Gln Pro Cys Phe Asn Lys Leu Phe Pro Leu
 325 330

<210> 673
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 673
 Asn Val Tyr Ser Glu Ala Gln Glu Pro Lys Glu Ser Pro Pro Pro Ser
 1 5 10 15

Lys Thr Ser Ala Ala Ala
 20

<210> 674
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 674
 Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln Asp Leu Gly Ile
 1 5 10 15

Ala Thr Val Pro Lys Gly His Cys Ala Ser
 20 25

<210> 675
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 675
 Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys
 1 5 10 15

Gly Asp Cys Phe Thr Ser Phe Ser Thr Gly
20 25

<210> 676
<211> 26
<212> PRT
<213> Homo sapiens

<400> 676
Arg Cys Ile Ser Ala Met Gly Tyr Lys Phe His Pro Glu His Phe Val
1 5 10 15

Cys Ala Phe Cys Leu Thr Gln Leu Ser Lys
20 25

<210> 677
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 677
Pro Thr Arg Pro Val Leu Phe Phe Ser Thr Cys Gln Ser Cys Ser Ser
1 5 10 15

Arg Pro Val Arg Gln Glu His Leu Gly Cys Arg Thr Met Glu Glu Leu
20 25 30

Asp Ala Leu Leu Glu Glu Leu Glu Arg Ser Thr Leu Gln Asp Ser Asp
35 40 45

Glu Tyr Ser Asn Pro Ala Pro Leu Pro Leu Asp Gln His Ser Arg Lys
50 55 60

Glu Thr Asn Leu Asp Glu Thr Ser Glu Ile Leu Ser Ile Gln Asp Asn
65 70 75 80

Thr Ser Pro Leu Pro Ala Xaa Ser Cys Ile Leu Pro Ile Ser Arg Ser
85 90 95

Ser Met Ser Thr Val Lys Pro Lys Ser Gln Arg Asn His His His Leu
100 105 110

Leu Lys Arg Gln Gln Leu Leu Ser Trp Met Ser Ser Trp Leu Thr
115 120 125

<210> 678
<211> 28
<212> PRT
<213> Homo sapiens

<400> 678

Pro Val Arg Gln Glu His Leu Gly Cys Arg Thr Met Glu Glu Leu Asp
 1 5 10 15

Ala Leu Leu Glu Glu Leu Glu Arg Ser Thr Leu Gln
 20 25

<210> 679

<211> 21

<212> PRT

<213> Homo sapiens

<400> 679

Ser Cys Ile Leu Pro Ile Ser Arg Ser Ser Met Ser Thr Val Lys Pro
 1 5 10 15

Lys Ser Gln Arg Asn
 20

<210> 680

<211> 11

<212> PRT

<213> Homo sapiens

<400> 680

Trp His Pro Glu His Phe Val Cys Thr His Cys
 1 5 10

<210> 681

<211> 6

<212> PRT

<213> Homo sapiens

<400> 681

Leu Phe Ser Pro Arg Cys
 1 5

<210> 682

<211> 6

<212> PRT

<213> Homo sapiens

<400> 682

Pro Ile Leu Asp Lys Val
 1 5

<210> 683

<211> 8

<212> PRT

<213> Homo sapiens

<400> 683

Thr Trp His Pro Glu His Phe Phe
1 5

<210> 684
<211> 7
<212> PRT
<213> Homo sapiens

<400> 684
Glu Gly Phe His Glu Lys Asp
1 5

<210> 685
<211> 13
<212> PRT
<213> Homo sapiens

<400> 685
Lys Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu
1 5 10

<210> 686
<211> 7
<212> PRT
<213> Homo sapiens

<400> 686
Pro Ile Thr Gly Arg Cys Ile
1 5

<210> 687
<211> 7
<212> PRT
<213> Homo sapiens

<400> 687
His Pro Glu His Phe Val Cys
1 5

<210> 688
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 688
Arg Ile Tyr Cys Ser Glu Asp Thr Phe Ser Pro Xaa Ala Glu Ser Gly
1 5 10 15

Val Ser Trp Gln Ser Ser Val Ser Gln Leu Tyr Gln Asp Tyr Glu
 20 25 30

<210> 689

<211> 452

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 689

Met Gly Ser Ser Gln Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly
 1 5 10 15

Tyr His Val Leu Arg Val Gln Glu Asn Ser Pro Gly His Arg Ala Gly
 20 25 30

Leu Glu Pro Phe Phe Asp Phe Ile Val Ser Ile Asn Gly Ser Arg Leu
 35 40 45

Asn Lys Asp Asn Asp Thr Leu Lys Asp Leu Leu Lys Xaa Asn Val Glu
 50 55 60

Lys Pro Val Lys Met Leu Ile Tyr Ser Ser Lys Thr Leu Glu Leu Arg
 65 70 75 80

Glu Thr Ser Val Thr Pro Ser Asn Leu Trp Gly Gly Gln Gly Leu Leu
 85 90 95

Gly Val Ser Ile Arg Phe Cys Ser Phe Asp Gly Ala Asn Glu Asn Val
 100 105 110

Trp His Val Leu Glu Val Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly
 115 120 125

Leu Arg Pro His Ser Asp Tyr Ile Ile Gly Ala Asp Thr Val Met Asn
 130 135 140

Glu Ser Glu Asp Leu Phe Ser Leu Ile Glu Thr His Glu Ala Lys Pro
 145 150 155 160

Leu Lys Leu Tyr Val Tyr Asn Thr Asp Thr Asp Asn Cys Arg Glu Val
 165 170 175

Ile Ile Thr Pro Asn Ser Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys
 180 185 190

Gly Ile Gly Tyr Gly Tyr Leu His Arg Ile Pro Thr Arg Pro Phe Glu
 195 200 205

Glu Gly Lys Lys Ile Ser Leu Pro Gly Gln Met Ala Gly Thr Pro Ile
 210 215 220

Thr Pro Leu Lys Asp Gly Phe Thr Glu Val Gln Leu Ser Ser Val Asn

225		230		235		240
Pro Pro Ser Leu Ser Pro Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu						
	245			250		255
Thr Gly Leu Ser Ile Ser Ser Thr Pro Pro Ala Val Ser Ser Val Leu						
	260			265		270
Ser Thr Gly Val Pro Thr Val Pro Leu Leu Pro Pro Gln Val Asn Gln						
	275			280		285
Ser Leu Thr Ser Val Pro Pro Met Asn Pro Ala Thr Thr Leu Pro Gly						
	290			295		300
Leu Met Pro Leu Pro Ala Gly Leu Pro Asn Leu Pro Asn Leu Asn Leu						
	305			310		315
Asn Leu Pro Ala Pro His Ile Met Pro Gly Val Gly Leu Pro Glu Leu						
	325			330		335
Val Asn Pro Gly Leu Pro Pro Leu Pro Ser Met Pro Pro Arg Asn Leu						
	340			345		350
Pro Gly Ile Ala Pro Leu Pro Leu Pro Ser Glu Phe Leu Pro Ser Phe						
	355			360		365
Pro Leu Val Pro Glu Ser Ser Ser Ala Ala Ser Ser Gly Glu Leu Leu						
	370			375		380
Ser Ser Leu Pro Pro Thr Ser Asn Ala Pro Ser Asp Pro Ala Thr Thr						
	385			390		395
Thr Ala Lys Ala Asp Ala Ala Ser Ser Leu Thr Val Asp Val Thr Pro						
	405			410		415
Pro Thr Ala Lys Ala Pro Thr Thr Val Glu Asp Arg Val Gly Asp Ser						
	420			425		430
Thr Pro Val Ser Glu Lys Pro Val Ser Ala Ala Val Asp Ala Asn Ala						
	435			440		445
Ser Glu Ser Pro						
	450					

<210> 690

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 690

Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly Tyr His Val Leu Arg

1

5

10

15

Val Gln Glu Asn Ser Pro Gly His Arg Ala Gly Leu Glu Pro Phe Phe
 20 25 30

Asp Phe Ile Val Ser Ile Asn Gly Ser Arg Leu Asn Lys Asp Asn Asp
 35 40 45

Thr Leu Lys Asp Leu Leu Lys Xaa Asn Val Glu Lys Pro Val Lys Met
 50 55 60

Leu Ile Tyr Ser Ser Lys Thr Leu Glu Leu Arg Glu Thr Ser Val Thr
 65 70 75 80

Pro Ser Asn Leu Trp Gly Gly Gln Gly Leu Leu Gly Val Ser Ile Arg
 85 90 95

Phe Cys Ser Phe Asp Gly Ala Asn Glu Asn Val Trp His
 100 105

<210> 691

<211> 145

<212> PRT

<213> Homo sapiens

<400> 691

Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro His Ser Asp
 1 5 10 15

Tyr Ile Ile Gly Ala Asp Thr Val Met Asn Glu Ser Glu Asp Leu Phe
 20 25 30

Ser Leu Ile Glu Thr His Glu Ala Lys Pro Leu Lys Leu Tyr Val Tyr
 35 40 45

Asn Thr Asp Thr Asp Asn Cys Arg Glu Val Ile Ile Thr Pro Asn Ser
 50 55 60

Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
 65 70 75 80

Leu His Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser
 85 90 95

Leu Pro Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly
 100 105 110

Phe Thr Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro
 115 120 125

Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser
 130 135 140

Ser
 145

<210> 692

<211> 145
 <212> PRT
 <213> Homo sapiens

<400> 692

Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro His Ser Asp
 1 5 10 15
 Tyr Ile Ile Gly Ala Asp Thr Val Met Asn Glu Ser Glu Asp Leu Phe
 20 25 30
 Ser Leu Ile Glu Thr His Glu Ala Lys Pro Leu Lys Leu Tyr Val Tyr
 35 40 45
 Asn Thr Asp Thr Asp Asn Cys Arg Glu Val Ile Ile Thr Pro Asn Ser
 50 55 60
 Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
 65 70 75 80
 Leu His Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser
 85 90 95
 Leu Pro Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly
 100 105 110
 Phe Thr Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro
 115 120 125
 Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser
 130 135 140
 Ser
 145

<210> 693
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 693

Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser Leu Pro
 1 5 10 15
 Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly Phe Thr
 20 25 30
 Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro Pro Gly
 35 40 45
 Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser Ser Thr
 50 55 60
 Pro Pro Ala Val Ser Ser Val Leu Ser Thr Gly Val Pro Thr Val Pro
 65 70 75 80
 Leu Leu Pro Pro Gln Val Asn Gln Ser Leu Thr Ser Val Pro Pro Met

85

90

95

Asn Pro Ala Thr Thr Leu Pro Gly Leu Met Pro Leu Pro Ala Gly Leu
100 105 110

Pro Asn Leu Pro Asn Leu Asn Leu Asn Leu Pro Ala Pro His Ile Met
115 120 125

Pro Gly Val Gly Leu Pro Glu Leu Val Asn Pro Gly Leu Pro Pro Leu
130 135 140

Pro Ser Met Pro Pro Arg Asn
145 150

<210> 694

<211> 109

<212> PRT

<213> Homo sapiens

<400> 694

Pro Gly Leu Pro Pro Leu Pro Ser Met Pro Pro Arg Asn Leu Pro Gly
1 5 10 15

Ile Ala Pro Leu Pro Leu Pro Ser Glu Phe Leu Pro Ser Phe Pro Leu
20 25 30

Val Pro Glu Ser Ser Ser Ala Ala Ser Ser Gly Glu Leu Leu Ser Ser
35 40 45

Leu Pro Pro Thr Ser Asn Ala Pro Ser Asp Pro Ala Thr Thr Thr Ala
50 55 60

Lys Ala Asp Ala Ala Ser Ser Leu Thr Val Asp Val Thr Pro Pro Thr
65 70 75 80

Ala Lys Ala Pro Thr Thr Val Glu Asp Arg Val Gly Asp Ser Thr Pro
85 90 95

Val Ser Glu Lys Pro Val Ser Ala Ala Val Asp Ala Asn
100 105

<210> 695

<211> 22

<212> PRT

<213> Homo sapiens

<400> 695

Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
1 5 10 15

Leu His Arg Ile Pro Thr
20

<210> 696

<211> 10

<212> PRT

<213> Homo sapiens

<400> 696

Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro
 1 5 10

<210> 697

<211> 8

<212> PRT

<213> Homo sapiens

<400> 697

Trp Gly Gly Gln Gly Leu Leu Gly
 1 5

<210> 698

<211> 27

<212> PRT

<213> Homo sapiens

<400> 698

Arg Asn Gly Ala Leu Leu Asp Lys Asn Phe Phe Asn Ala Asn Ser His
 1 5 10 15

Phe Pro Val Lys Gly Glu Arg Ile Arg Arg Arg
 20 25

<210> 699

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 699

Arg Gly Ser Gly Phe Gly Trp Thr Ser Phe Pro Arg Pro Leu Pro Thr
 1 5 10 15

Glu Leu Thr Cys Pro Gly Phe His Arg Glu Arg Ala Phe Pro Pro Asp
 20 25 30

Gly Arg Val Arg Gly Val Arg Gly Trp Gly Ile Arg Arg Gly Cys Arg
 35 40 45

Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp
 50 55 60

Arg Gly Ser Ala His Arg Ala Ser Gly Pro Ala Asp Leu Pro Val Ala
 65 70 75 80

Cys Arg Xaa Glu Gly Gly Ala Asp Ser Pro Ser Leu Leu Pro Ser Pro

85

90

95

Pro

<210> 700

<211> 23

<212> PRT

<213> Homo sapiens

<400> 700

Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp
 1 5 10 15

Arg Gly Ser Ala His Arg Ala
 20

<210> 701

<211> 77

<212> PRT

<213> Homo sapiens

<400> 701

Tyr Arg Pro Thr Met Glu Lys Met Lys Gln Val Val Thr Gln Thr Arg
 1 5 10 15

Trp Met Arg Pro Asp Ala Lys Arg Ala Asn Arg Arg His Arg Arg Ile
 20 25 30

Ser Gly Lys Ile Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser
 35 40 45

Arg Leu Leu Lys Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro Ser
 50 55 60

Arg Pro Pro Trp Met Val Ser His Ser Val Glu Ala Ser
 65 70 75

<210> 702

<211> 27

<212> PRT

<213> Homo sapiens

<400> 702

Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser Arg Leu Leu Lys
 1 5 10 15

Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro
 20 25

<210> 703

<211> 93

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 703

Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser
 1 5 10 15

Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Trp Ile Phe Gly Val Leu His Val Val His
 35 40 45

Ala Ser Val Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln
 50 55 60

Gly Met Phe Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln
 65 70 75 80

Glu Glu Tyr Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys
 85 90

<210> 704

<211> 55

<212> PRT

<213> Homo sapiens

<400> 704

Trp Ile Phe Gly Val Leu His Val Val His Ala Ser Val Val Thr Ala
 1 5 10 15

Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln Gly Met Phe Ile Phe Leu
 20 25 30

Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu Glu Tyr Tyr Arg Leu
 35 40 45

Phe Lys Asn Val Pro Cys Cys
 50 55

<210> 705

<211> 26

<212> PRT

<213> Homo sapiens

<400> 705

Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser
 1 5 10 15

Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg
 20 25

<210> 706

<211> 66

<212> PRT

<213> Homo sapiens

<400> 706

Ile Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val
1 5 10 15

Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu Ala Leu
20 25 30

Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His Val Val
35 40 45

His Ala Ser Val Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe
50 55 60

Gln Gly
65

<210> 707

<211> 32

<212> PRT

<213> Homo sapiens

<400> 707

Glu Val Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu
1 5 10 15

Ala Leu Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His
20 25 30

<210> 708

<211> 86

<212> PRT

<213> Homo sapiens

<400> 708

Thr Thr Ile Leu Arg Thr Cys Thr Ile Val Cys Phe Tyr Tyr Trp Phe
1 5 10 15

Asn Gly Val Met Val Leu Leu Phe Phe Leu Asp Arg Asn Leu Leu Thr
20 25 30

Phe Asn Gln Ala Ser Ile Met Pro Phe Ser Asn Thr Asp Phe Leu His
35 40 45

Cys Leu Ser Phe Lys Lys Lys Leu Met Leu Leu Arg Tyr Ile Phe Tyr
50 55 60

Val Val Leu Thr Gly Pro Thr Leu Ser Leu Lys Gly Asp Glu Asn Gln
65 70 75 80

Ile Lys Asn Leu Phe Thr
85

<210> 709
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 709
 Ile Val Cys Phe Tyr Tyr Trp Phe Asn Gly Val Met Val Leu Leu Phe
 1 5 10 15
 Phe Leu Asp Arg Asn Leu Leu
 20

<210> 710
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 710
 Leu Leu Arg Tyr Ile Phe Tyr Val Val Leu Thr Gly Pro Thr Leu Ser
 1 5 10 15
 Leu Lys Gly Asp Glu Asn Gln Ile
 20

<210> 711
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 711
 Ala Leu Thr Arg Ile Pro Pro Gly Asp Trp Val Ile Asn Val Thr Ala
 1 5 10 15
 Val Ser Phe Ala Gly Lys Thr Thr Ala Arg Phe Phe Xaa His Ser Ser
 20 25 30
 Pro Pro Ser Leu Gly Asp Gln Ala Arg Thr Asp Pro Gly His Gln Arg
 35 40 45
 Arg Asp
 50

<210> 712
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 712
 Ser Met Leu Leu Leu Phe Pro Leu Gln Glu Arg Pro Gln Gln Asp Ser
 1 5 10 15
 Phe Ile Arg Leu Leu Leu Ala Trp Gly Thr Arg Leu Glu Leu Thr Leu
 20 25 30

Asp Ile Lys Gly Gly Ile
35

<210> 713

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 713

Thr	Gly	Leu	Trp	Ala	Asp	Gly	Phe	Ser	Ser	His	Ile	Ile	Pro	Pro	Leu
1				5						10					15

Met	Ser	Arg	Val	Ser	Ser	Ser	Leu	Val	Pro	Gln	Ala	Arg	Arg	Arg	Arg
			20					25						30	

Met	Lys	Glu	Ser	Cys	Cys	Gly	Leu	Ser	Cys	Lys	Gly	Asn	Ser	Ser	Asn
		35					40					45			

Ile	Asp	Tyr	Pro	Val	Thr	Gly	Arg	Asn	Ser	Cys	Glu	Arg	Ala	Pro	Leu
		50				55					60				

Cys	Ala	Phe	Ala	Leu	His	Phe	Gln	Glu	Arg	Thr	Xaa	Ile	Thr	Gly	Xaa
	65				70					75					80

Gly	Glu	Asp	Pro	Gly	Pro	Phe	Gln	Ser	Xaa	Gly	Arg	Val	Thr	Ala	Ser
				85					90					95	

Arg	Xaa	Thr	Leu	Ala	Cys	Ser	His	Val	Ala	Met	Thr	Pro	Ala	Gly	Cys
			100					105						110	

Xaa	Gln	Ala	Leu	Gly	Thr	Pro	Ser	Ser	Tyr	Cys	Val	Arg	Lys	Ala	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

115

120

125

Arg Ala
130

<210> 714
<211> 28
<212> PRT
<213> Homo sapiens

<400> 714
Gln Ala Arg Arg Arg Met Lys Glu Ser Cys Cys Gly Leu Ser Cys
1 5 10 15

Lys Gly Asn Ser Ser Asn Ile Asp Tyr Pro Val Thr
20 25

<210> 715
<211> 9
<212> PRT
<213> Homo sapiens

<400> 715
Leu Trp Arg Ser Ser Gly Val Glu Arg
1 5

<210> 716
<211> 27
<212> PRT
<213> Homo sapiens

<400> 716
Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp Tyr Glu
1 5 10 15

Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu
20 25

<210> 717
<211> 110
<212> PRT
<213> Homo sapiens

<400> 717
Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys
1 5 10 15

Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln
20 25 30

Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu
35 40 45

Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln Pro His

50

55

60

Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile Leu Ser
65 70 75 80

Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys Lys Lys
85 90 95

Lys Asn Ser Arg Gly Gly Pro Val Pro Ile Arg Pro Lys Ser
100 105 110

<210> 718

<211> 99

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> n equals a,t,g, or c

<400> 718

TAGCATGTAG CCAGTCGAAT AACNTATAAG GACAAAGTGG AGTCCACGCG TGCGGCCGTC

60

TAGACTAGTG GATCCCCCGG CTGCAGGATT CGGCACGAG

99

<210> 719

<211> 51

<212> PRT

<213> Homo sapiens

<400> 719

Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys
1 5 10 15

Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln
20 25 30

Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu
35 40 45

Val Phe Lys
50

<210> 720

<211> 54

<212> PRT

<213> Homo sapiens

<400> 720

Pro Val Arg Tyr Met Gln Pro His Arg Ser Ser Leu Cys Leu His Phe
1 5 10 15

Thr Ser Tyr Val Phe Ile Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr

20 25 30
 Ser Thr Asp Leu Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro Val
 35 40 45

Pro Ile Arg Pro Lys Ser
 50

<210> 721
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 721
 Gly Glu Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met
 1 5 10 15

Arg Ala Thr His Cys Gln Ala Ala Arg Met Phe Val Leu Phe Ser Leu
 20 25 30

Pro Lys Tyr Ala Gly Leu
 35

<210> 722
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 722
 Thr Ser Gly Ser Pro Gly Cys Arg Ile Arg His Glu Leu Pro Gly Glu
 1 5 10 15

Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met Arg Ala
 20 25 30

Thr His Cys Gln Ala Ala Arg
 35

<210> 723
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 723
 Glu Pro Pro Ile Ala Lys Gln Gln Glu Cys Ser Cys Phe Phe Pro Phe
 1 5 10 15

Gln Asn Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys
 20 25 30

Leu Cys Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser
 35 40 45

Arg Gln Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln
 50 55 60

Asn Leu Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln
 65 70 75 80
 Pro His Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile
 85 90 95
 Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys
 100 105 110
 Lys Lys Lys Asn Ser Arg Gly Gly Pro Val Pro Ile Arg Pro Lys Ser
 115 120 125

<210> 724
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 724
 Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys Phe Ser Cys Pro Cys Ser
 1 5 10 15

Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln Gly Gly Arg Arg Phe
 20 25 30

<210> 725
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 725
 Asn Gln Phe Thr Ser Cys Ile Leu Phe Cys Asp Gly Gly His Trp Arg
 1 5 10 15

Glu Leu Leu Phe Gln Ser Ile
 20

<210> 726
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 726
 Ala Met Ser Ser Lys Leu Leu Asn Leu Leu Ala Leu Leu Gln Tyr Ser
 1 5 10 15

Val His Asp His Cys His Pro Arg Arg Leu Leu Lys Arg Gly Ala Arg
 20 25 30

Ala Thr Leu Arg His Lys Gly Trp Gly Pro Ser Ser Leu Arg Gly Cys
 35 40 45

Glu Ser Phe Gln Ile Val Leu Ile Gly Trp Gly Pro Asp Leu Ala Val
 50 55 60

Gly Phe Gly Arg Gly Lys Leu Leu Ser Arg Ser Leu Pro Val Arg His
 65 70 75 80

Gly Gly Val Ser Glu Phe Cys Leu Pro His Arg Asp Val Val Arg Leu
 85 90 95

Glu Lys Val Lys Lys
 100

<210> 727

<211> 33

<212> PRT

<213> Homo sapiens

<400> 727

Gly Pro Ser Ser Leu Arg Gly Cys Glu Ser Phe Gln Ile Val Leu Ile
 1 5 10 15

Gly Trp Gly Pro Asp Leu Ala Val Gly Phe Gly Arg Gly Lys Leu Leu
 20 25 30

Ser

<210> 728

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 728

Thr Arg Lys Asn Ile Asp Phe Xaa Glu Thr Glu Lys Tyr Tyr Leu Phe
 1 5 10 15

Ser Phe Ser Asn Asn Val Ser Phe Lys Asn Phe Trp Leu Lys Tyr Asn
 20 25 30

<210> 729

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 729

Met	Pro	Arg	Lys	Thr	Ser	Lys	Cys	Arg	Gln	Leu	Leu	Cys	Ser	Gly	Ala
1				5					10					15	

Ser	Arg	Asn	Ala	Asp	Thr	Ala	Ala	Arg	Gln	Ser	Thr	Cys	Ser	Ser	His
		20						25					30		

Arg	Pro	Pro	Gly	Lys	Ile	Pro	Ser	Leu	Gly	Pro	Arg	Arg	Xaa	Pro	Gly
		35					40					45			

Cys	Xaa	Ser	Val	Pro	Ser	Ser	Arg	Gly	Glu	Gln	Ser	Thr	Gly	Ser	Pro
	50					55					60				

Ala	Ala	Pro	Arg	Cys	Gly	Arg	Arg	Asp	Ala	His	Arg	Gly	Leu	Pro	Gly
65					70					75				80	

Gly	Ala	Ala	Met	Thr	Pro	Gly	Asp	Thr	Trp	Ala	Ser	Phe	Asn	Pro	Arg
				85					90					95	

Ala	Gly	His	Ser	Lys	Ser	Gln	Gly	Glu	Gly	Gln	Glu	Ser	Ser	Gly	Ala
			100					105						110	

Ser	Arg	Gln	Asp	Arg	His	Pro	Val	Ser	His	Trp	Val	Glu	Arg	Gln	Arg
		115					120						125		

Glu	Ala	Trp	Gly	Ala	Pro	Arg	Ser	Ser	Ser	Ala	Gly	Gly	Val	Lys	Val
	130					135						140			

Ala	Ala	Thr	Thr	Glu	Arg	Glu	Pro	Glu	Phe	Lys	Ile	Lys	Thr	Gly	Lys
145					150					155					160

Ala

<210> 730

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 730

Cys Ser Gly Ala Ser Arg Asn Ala Asp Thr Ala Ala Arg Gln Ser Thr
 1 5 10 15

Cys Ser Ser His Arg Pro Pro Gly Lys Ile Pro Ser Leu Gly Pro Arg
 20 25 30

Arg Xaa Pro Gly Cys Xaa Ser Val Pro Ser Ser Arg Gly Glu Gln Ser
 35 40 45

Thr Gly Ser Pro Ala Ala Pro Arg Cys Gly Arg Arg Asp Ala His Arg
 50 55 60

Gly Leu Pro Gly Gly Ala Ala Met Thr Pro Gly Asp Thr Trp Ala Ser
 65 70 75 80

Phe Asn Pro Arg Ala Gly His Ser
 85

<210> 731

<211> 59

<212> PRT

<213> Homo sapiens

<400> 731

Gln Gly Glu Gly Gln Glu Ser Ser Gly Ala Ser Arg Gln Asp Arg His
 1 5 10 15

Pro Val Ser His Trp Val Glu Arg Gln Arg Glu Ala Trp Gly Ala Pro
 20 25 30

Arg Ser Ser Ser Ala Gly Gly Val Lys Val Ala Ala Thr Thr Glu Arg
 35 40 45

Glu Pro Glu Phe Lys Ile Lys Thr Gly Lys Ala
 50 55

<210> 732

<211> 63

<212> PRT

<213> Homo sapiens

<400> 732

Ile Arg His Glu Gly Lys Arg Met Leu Asn Glu Ser Arg Lys Pro Leu
 1 5 10 15

Ser Phe Ala Ser Arg Leu Ser Ser Leu Tyr Phe Lys Leu Gly Phe Pro
 20 25 30

Phe Cys Gly Arg Ser Asn Leu Tyr Ser Thr Cys Thr Ala Ala Pro Gly
 35 40 45

Gly Ser Pro Gly Leu Pro Leu Pro Phe Tyr Pro Val Ala Asp Gly
 50 55 60

<210> 733

<211> 176
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 733
 Thr Arg Ala Glu Ser Leu Phe Pro Leu Leu His Ala Phe Pro Val Phe
 1 5 10 15
 Ile Leu Asn Ser Gly Ser Leu Ser Val Val Ala Ala Thr Phe Thr Pro
 20 25 30
 Pro Ala Leu Leu Leu Leu Gly Ala Pro Gln Ala Ser Leu Cys Leu Ser
 35 40 45
 Thr Gln Trp Leu Thr Gly Cys Leu Ser Cys Leu Asp Ala Pro Leu Leu
 50 55 60
 Ser Cys Pro Ser Pro Trp Leu Leu Leu Cys Pro Ala Leu Gly Leu Lys
 65 70 75 80
 Leu Ala His Val Ser Pro Gly Val Met Ala Ala Pro Pro Gly Arg Pro
 85 90 95
 Leu Cys Ala Ser Arg Leu Pro His Leu Gly Ala Ala Gly Glu Pro Val
 100 105 110
 Leu Cys Ser Pro Arg Leu Leu Gly Thr Glu Leu Gln Pro Gly Xaa Leu
 115 120 125
 Arg Gly Pro Arg Leu Gly Ile Leu Pro Gly Gly Arg Trp Glu Glu Gln
 130 135 140
 Val Leu Cys Leu Ala Ala Val Ser Ala Phe Leu Asp Ala Pro Glu His
 145 150 155 160
 Arg Ser Cys Arg His Phe Glu Val Phe Leu Gly Met Cys Gln Ile Thr
 165 170 175

<210> 734
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 734
 Pro Ala Leu Gly Leu Lys Leu Ala His Val Ser Pro Gly Val Met Ala
 1 5 10 15
 Ala Pro Pro Gly Arg Pro Leu Cys Ala Ser Arg Leu Pro
 20 25

<210> 735
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 735
 Gly Gly Arg Trp Glu Glu Gln Val Leu Cys Leu Ala Ala Val Ser Ala
 1 5 10 15
 Phe Leu Asp Ala Pro Glu His Arg
 20

<210> 736
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 736
 Ser Trp Pro Met Cys Pro Pro Glu Ser Trp Leu Leu Leu Leu Gly Gly
 1 5 10 15
 Leu Cys Val Arg His Val Phe His Thr Trp Gly Gln Leu Ala Ser Pro
 20 25 30
 Cys Ser Val Pro Leu Gly Cys Leu Ala Gln Ser Cys Ser Leu Gly Xaa
 35 40 45
 Ser Val Asp Pro Asp Trp Gly Phe Cys Gln Gly Gly Asp Gly Arg Ser
 50 55 60
 Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe Trp Thr Pro Gln Ser
 65 70 75 80
 Thr Glu Val Ala Gly Thr Leu Arg Ser Ser Ser Ala Cys Ala Arg Leu
 85 90 95
 His Glu

<210> 737
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 737
 Gly Asp Gly Arg Ser Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe
 1 5 10 15
 Trp Thr Pro Gln Ser Thr Glu Val Ala Gly Thr Leu Arg

20

25

<210> 738
 <211> 235
 <212> PRT
 <213> Homo sapiens

<400> 738

Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
 1 5 10 15

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
 20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
 35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
 50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
 65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
 85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
 100 105 110

Asn Tyr Val Gly Pro Pro Gly Gly Gly Gly Pro Pro Gly Thr Pro Ile
 115 120 125

Met Pro Ser Pro Ala Asp Ser Thr Asn Ser Gly Asp Asn Met Tyr Thr
 130 135 140

Leu Met Asn Ala Val Pro Pro Gly Pro Asn Arg Pro Asn Phe Pro Met
 145 150 155 160

Gly Pro Gly Ser Asp Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser
 165 170 175

His His Met Asn Gly Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser
 180 185 190

Lys Asn Ser Pro Asn Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro
 195 200 205

Arg Asp Asp Gly Glu Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser
 210 215 220

Glu Ser Tyr Ser Pro Ser Met Thr Met Ser Val
 225 230 235

<210> 739
 <211> 114
 <212> PRT

<213> Homo sapiens

<400> 739

Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
1 5 10 15

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
100 105 110

Asn Tyr

<210> 740

<211> 81

<212> PRT

<213> Homo sapiens

<400> 740

Leu Asn Ala Leu Gly Gly Pro Gly Met Pro Gly Met Asn Met Gly Pro
1 5 10 15

Gly Gly Gly Arg Pro Trp Pro Asn Pro Thr Asn Ala Asn Ser Ile Pro
20 25 30

Tyr Ser Ser Ala Ser Pro Gly Asn Tyr Val Gly Pro Pro Gly Gly Gly
35 40 45

Gly Pro Pro Gly Thr Pro Ile Met Pro Ser Pro Ala Asp Ser Thr Asn
50 55 60

Ser Gly Asp Asn Met Tyr Thr Leu Met Asn Ala Val Pro Pro Gly Pro
65 70 75 80

Asn

<210> 741

<211> 70

<212> PRT

<213> Homo sapiens

<400> 741

Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser His His Met Asn Gly
 1 5 10 15

Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser Lys Asn Ser Pro Asn
 20 25 30

Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro Arg Asp Asp Gly Glu
 35 40 45

Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser Glu Ser Tyr Ser Pro
 50 55 60

Ser Met Thr Met Ser Val
 65 70

<210> 742

<211> 14

<212> PRT

<213> Homo sapiens

<400> 742

Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp Tyr
 1 5 10

<210> 743

<211> 19

<212> PRT

<213> Homo sapiens

<400> 743

Arg Arg Glu Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp
 1 5 10 15

Tyr Pro Phe

<210> 744

<211> 20

<212> PRT

<213> Homo sapiens

<400> 744

Thr Ile Thr Leu Phe Gln Ser Ala Trp Cys Phe Phe Ser Lys Tyr Cys
 1 5 10 15

Thr Asp Phe Thr
 20

<210> 745

<211> 105

<212> PRT

<213> Homo sapiens

<400> 745

Val Arg Gly Cys Glu Asp Gly Gly Gly Gly Gly Ile Trp Gly Gly Trp
 1 5 10 15

Trp Pro Gly Gln Gln Met Ala Pro Pro Trp Leu Ser Cys Pro His Arg
 20 25 30

Gln Phe Pro His Phe His Ser Gly Arg Gln Arg Arg Gln Ser Asp Leu
 35 40 45

Leu Lys Glu Glu Leu Pro Gln Pro Ser Gly Ala Ala Gly Arg Ala Ser
 50 55 60

Gly Asn Lys Pro Tyr Thr Pro Pro Pro Ala Ser Asn Ser Leu Thr Leu
 65 70 75 80

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln
 85 90 95

Pro Ser Leu Asn Tyr Lys Asp Arg Gln
 100 105

<210> 746

<211> 25

<212> PRT

<213> Homo sapiens

<400> 746

Pro Trp Leu Ser Cys Pro His Arg Gln Phe Pro His Phe His Ser Gly
 1 5 10 15

Arg Gln Arg Arg Gln Ser Asp Leu Leu
 20 25

<210> 747

<211> 20

<212> PRT

<213> Homo sapiens

<400> 747

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln
 1 5 10 15

Pro Ser Leu Asn
 20

<210> 748

<211> 56

<212> PRT

<213> Homo sapiens

<400> 748

Arg Asp Ser Ser Leu Trp Ala Ala Ala Leu Ser Phe Arg Gln Gln Cys
 1 5 10 15

Ser Ser Leu Ala Ser Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg
 20 25 30

Gln His Arg Ala Lys Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp
 35 40 45

Gly Arg Lys Val Asp Ala Val Val
 50 55

<210> 749

<211> 27

<212> PRT

<213> Homo sapiens

<400> 749

Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg Gln His Arg Ala Lys
 1 5 10 15

Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp
 20 25

<210> 750

<211> 86

<212> PRT

<213> Homo sapiens

<400> 750

Pro Glu His Gly Phe Ser Ser Cys Asp Phe Trp Glu Gly Ala Pro Ser
 1 5 10 15

Ser Gly Pro Lys Glu Gly Gly Arg Ser Pro Pro Gln Leu Ala Cys Val
 20 25 30

Trp Gly Met Asn Leu Ser Ser Pro Pro Cys Leu Ala Leu Leu Thr Asn
 35 40 45

Arg Ala Cys Leu Ala Val Asn Trp His Arg Val Thr Leu Phe Pro Gly
 50 55 60

Ile Gln Val Cys Asn Gln Asn Thr Gly Glu Glu Lys Leu Gln Asp Pro
 65 70 75 80

Cys Pro His Leu Ser Ser
 85

<210> 751

<211> 30

<212> PRT

<213> Homo sapiens

<400> 751

Arg Ser Pro Pro Gln Leu Ala Cys Val Trp Gly Met Asn Leu Ser Ser
 1 5 10 15

Pro Pro Cys Leu Ala Leu Leu Thr Asn Arg Ala Cys Leu Ala

20

25

30

<210> 752

<211> 74

<212> PRT

<213> Homo sapiens

<400> 752

Cys Glu Arg Asp Ser Glu Thr Ser Ser Ile Ala Met Thr Cys Ile Lys
 1 5 10 15

His Lys Pro Pro Lys Gln Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe
 20 25 30

Arg Ser Ala Leu Pro Arg Val Cys Arg Cys His Met Ile Thr Val Gln
 35 40 45

Arg Glu Ala Phe Arg Thr His Thr Gly Cys Ser Thr Ser Val His Leu
 50 55 60

Pro Ser Arg Gly Gly Phe Leu Pro Asp Phe
 65 70

<210> 753

<211> 28

<212> PRT

<213> Homo sapiens

<400> 753

Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe Arg Ser Ala Leu Pro Arg
 1 5 10 15

Val Cys Arg Cys His Met Ile Thr Val Gln Arg Glu
 20 25

<210> 754

<211> 59

<212> PRT

<213> Homo sapiens

<400> 754

Gln Ala Phe Val Leu Leu Ser Asp Leu Leu Leu Ile Phe Ser Pro Gln
 1 5 10 15

Met Ile Val Gly Gly Arg Asp Phe Leu Arg Pro Leu Val Phe Phe Pro
 20 25 30

Glu Ala Thr Leu Gln Ser Glu Leu Ala Ser Phe Leu Met Asp His Val
 35 40 45

Phe Ile Gln Pro Gly Asp Leu Gly Ser Gly Ala
 50 55

<210> 755

<211> 43
 <212> PRT
 <213> Homo sapiens

<400> 755

Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe Phe Ser Arg
 1 5 10 15

Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr Asp Arg Phe
 20 25 30

Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly
 35 40

<210> 756
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 756

Gln Lys Gln Leu Ser Ser Leu Arg Asp Arg Met Val Ala Phe Cys Glu
 1 5 10 15

Leu Cys Gln Ser Cys Leu Ser Asp Val Asp Thr Glu Ile Gln Glu Gln
 20 25 30

Val Ser Thr
 35

<210> 757
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 757

Gln Val Ile Leu Pro Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp
 1 5 10 15

Thr Leu Thr His Ile Ser Lys Ser Asp Ala Ser
 20 25

<210> 758
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 758

Ser Thr His Asp Leu Thr Arg Trp Glu Leu Tyr Glu Pro Cys Cys Gln
 1 5 10 15

Leu Leu Gln Lys Ala Val Asp Thr Gly Xaa Val Pro His Gln Val
 20 25 30

<210> 759
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 759
 Thr Ser Phe Leu Phe Pro Leu Gln Ala Phe Val Leu Leu Ser Asp Leu
 1 5 10 15

Leu Leu Ile Phe Ser Pro Gln Met Ile Val Gly Gly Arg Asp Phe Leu
 20 25 30

Arg Pro Leu Val Phe Phe Pro Glu Ala Thr Leu Gln Ser Glu Leu Ala
 35 40 45

Ser Phe Leu Met Asp His Val Phe Ile Gln Pro Gly Asp Leu Gly Ser
 50 55 60

Gly Ala
 65

<210> 760
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 760
 Gly Trp Gly Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe
 1 5 10 15

Phe Ser Arg Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr
 20 25 30

Asp Arg Phe Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly Ala Gly
 35 40 45

Ala Gly Gln Trp Asp Thr Pro Asn Lys Gly Gly Arg Gly Cys Lys Thr
 50 55 60

Gly Asp Val Asp
 65

<210> 761
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 761
 Val Trp Val Leu Asp Gly Ile Met Gly Thr Glu Glu Ser Val Ser Ser
 1 5 10 15

Phe Phe Pro Phe Lys Pro Leu Cys Pro Gln Lys Gln Leu Ser Ser Leu

20	25	30
Arg Asp Arg Met Val Ala Phe Cys Glu Leu Cys Gln Ser Cys Leu Ser		
35	40	45
Asp Val Asp Thr Glu Ile Gln Glu Gln Val Ser Thr Asp Ser Ser Gly		
50	55	60
Ser Asn Lys Ala Ser Ile Pro Ala Pro Ile Pro Arg Arg Asn		
65	70	75

<210> 762
 <211> 152
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 762
 Asn Ala Ser Leu Pro Ser Thr Ser Glu Trp Leu Ser Ser Ser Ser Pro
 1 5 10 15
 Ser Arg Phe Tyr Trp Cys Leu Trp Ser Trp Phe Pro Leu Phe Phe Ser
 20 25 30
 Ser Ile Thr Phe Pro Phe Leu Pro Gln Ser Thr His Asp Leu Thr Arg
 35 40 45
 Trp Glu Leu Tyr Glu Pro Cys Cys Gln Leu Leu Gln Lys Ala Val Asp
 50 55 60
 Thr Gly Xaa Val Pro His Gln Val Ser Gly Gln Ala Arg Asp Gly Leu
 65 70 75 80
 Gly Ala Gly Gly Leu Xaa Phe Lys Asp Leu Arg Ser Arg Trp Pro Leu
 85 90 95
 Gly Val Ser Ser Leu Ser Ala Trp Ser Gly Gln Ser Glu Glu Asp Gln
 100 105 110
 Val Gly Gly Gly His Leu Leu His Ser Ser Leu Arg Arg Trp Thr Leu
 115 120 125
 Leu Pro Gly Ser Ser Trp Ile Ser Trp Lys Pro Arg Ile Ile Leu Arg
 130 135 140
 Asp Ser Arg Arg Arg Arg Val Asn
 145 150

<210> 763
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 763
 Val Leu Gly Glu Met Leu Leu Trp Ile Phe Phe Pro Ser Gln Ser Ser
 1 5 10 15
 Phe Leu Asp Glu Asp Glu Val Tyr Asn Leu Ala Ala Thr Leu Lys Arg
 20 25 30
 Leu Ser Ala Phe Tyr Lys
 35

<210> 764
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 764
 Pro Lys Pro His Phe Ser Asn Pro Leu Leu Leu Gln Val Ile Leu Pro
 1 5 10 15
 Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp Thr Leu Thr His Ile
 20 25 30
 Ser Lys Ser Asp Ala Ser Pro Gly Glu Cys Gly Ser
 35 40

<210> 765
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 765
 His Cys Gln Phe Leu Leu Gly
 1 5

<210> 766
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 766
 Glu Phe Gly Thr Ser Leu Val Ala Leu Glu Leu His Glu Leu Leu Tyr
 1 5 10 15
 His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr Val Val Ser
 20 25 30
 Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys Leu Leu Phe Asp Phe
 35 40 45

Val Leu Phe Leu Glu
50

<210> 767

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 767

Thr Lys Pro Gly Met Val Gly His Val Pro Ile Val Pro Ala Thr Lys
1 5 10 15

Xaa Ala Glu Ala Gly Gly Ser Pro Glu Pro Gly Ser Ser Thr Leu Gln
20 25 30

Trp Pro Met Ile Thr Pro Cys Thr Pro Ser Trp Ala Thr Glu Pro Asp
35 40 45

His Val Ser Glu Asp Glu
50

<210> 768

<211> 30

<212> PRT

<213> Homo sapiens

<400> 768

Leu Leu Tyr His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr
1 5 10 15

Val Val Ser Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys
20 25 30

<210> 769

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 769

Leu Ala Val Ser Thr Ser Phe Ile Cys Cys Ala Asp Ile Ser Thr Ala
1 5 10 15

Leu Pro Leu Gly Ser Ser Arg Pro Ala Pro Ala Pro Arg His Arg Glu
20 25 30

His Glu His Gly His Gln Ala Arg Pro Pro Arg Leu Leu Xaa Thr Ser
 35 40 45
 Leu Met Pro Leu Ser Thr Pro Ala Ala Ala Gln Leu Leu Trp Thr Gln
 50 55 60
 Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser Pro Pro Thr
 65 70 75 80
 Leu His Thr Gly Pro Arg Ala Leu Pro Pro Gly Pro Pro His Pro Ser
 85 90 95
 Leu His Val Ala Ala Leu Ser Leu Leu Arg
 100 105

<210> 770

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 770

Ala Pro Ala Val Pro His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met
 1 5 10 15

Gly Thr Lys Pro Gly Leu Pro Gly Cys Ser Xaa Arg Pro Leu Cys His
 20 25 30

Tyr Gln His Gln Leu Xaa Pro Ser Tyr Phe Gly His Ser Ser Pro Pro
 35 40 45

Trp Gly Ala Val Leu Val Gly Val Thr Pro His Pro Arg Cys Thr Pro
 50 55 60

Ala Pro Gly Pro Cys Arg Leu Gly Leu His Thr His Pro Cys Thr Trp
 65 70 75 80

Gln Leu Cys Leu Cys
 85

<210> 771

<211> 28

<212> PRT

<213> Homo sapiens

<400> 771

Cys Ala Asp Ile Ser Thr Ala Leu Pro Leu Gly Ser Ser Arg Pro Ala

1 5 10 15
 Pro Ala Pro Arg His Arg Glu His Glu His Gly His
 20 25

<210> 772
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 772
 Trp Thr Gln Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser
 1 5 10 15

Pro Pro Thr Leu His Thr Gly Pro Arg
 20 25

<210> 773
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 773
 His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met Gly Thr Lys Pro Gly
 1 5 10 15

Leu Pro Gly Cys
 20

<210> 774
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 774
 Ser Arg Gly Ser Leu Leu Pro Pro His Leu Pro His Arg Val Val Val
 1 5 10 15

Arg Val His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile
 20 25 30

Gly Ala Ala His Leu Gln Leu Pro Trp Asp Gly Lys Asp Pro Ala Arg
 35 40 45

Pro Leu Gly Ile Thr Leu Cys Leu Gln Met Glu Ile Gln Val Leu Gly
 50 55 60

<210> 775
 <211> 150
 <212> PRT
 <213> Homo sapiens

<400> 775

Cys Cys Ser Phe Gly Phe Tyr Tyr Met Val Gly Ser Asp Thr Ala Glu
 1 5 10 15

Lys Gln Gly Pro Ile Pro Gly Ser Gln Thr Gln Glu Gly Pro Trp Leu
 20 25 30

Ser Arg His Thr His Ser Pro Arg Ala Val Pro Glu Ser Ser Thr Ala
 35 40 45

Pro Ala Gln Pro Leu Leu Leu Pro Leu Pro Ala Pro Gln Ala Arg Arg
 50 55 60

Trp Ala Ser Asn Ala Asn Gly Trp Gly Trp Asp His Gln Arg Glu Gly
 65 70 75 80

Gln Ala Asn Tyr Pro Tyr Ser Ala Arg Pro Ala Pro His Asn Leu His
 85 90 95

Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln Gly
 100 105 110

Ser Gly Trp Val Leu Pro Ile Pro Gly Gln Leu Lys Val Gly Gly Pro
 115 120 125

Tyr Ile Leu Pro Glu Gly Leu Gln Gly Leu Cys Ser Ser Val His Pro
 130 135 140

His Asn Asn Pro Val Arg
 145 150

<210> 776

<211> 25

<212> PRT

<213> Homo sapiens

<400> 776

His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile Gly Ala
 1 5 10 15

Ala His Leu Gln Leu Pro Trp Asp Gly
 20 25

<210> 777

<211> 21

<212> PRT

<213> Homo sapiens

<400> 777

Pro Ala Pro Gln Ala Arg Arg Trp Ala Ser Asn Ala Asn Gly Trp Gly
 1 5 10 15

Trp Asp His Gln Arg
 20

<210> 778
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 778
 His Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln
 1 5 10 15
 Gly Ser Gly Trp Val Leu Pro
 20

<210> 779
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 779
 Thr Asn Gly Ile Met Gln Tyr Val Thr Phe Cys Val Trp Leu Ile Leu
 1 5 10 15
 Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala Cys Ile Ser
 20 25 30
 Thr Ser Phe Leu Phe Leu Ala Glu Tyr Tyr Ser Ile Ile Trp Ile Tyr
 35 40 45
 His Asn Ser Phe Thr Tyr Ser Ser Phe Val Ser Ala Val Trp Leu Leu
 50 55 60

<210> 780
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 780
 Tyr Asn Phe Met Phe Asn Phe Ser Lys Asn Cys Gln Lys Val Phe His

1 5 10 15
 Ser Gly Cys Ile Ile Tyr Ile Pro Thr Gly Asn Val Gln Gly Phe Leu
 20 25 30
 Phe Phe His Ile Leu Ala Leu Thr Asn Thr Ser Phe Xaa Xaa Xaa Phe
 35 40 45
 Cys Phe Phe Ile Ile Ala Thr Leu Val Asp Val Lys Trp His Leu Ile
 50 55 60
 Val Leu Ile Cys Ile Ser Leu Met Thr Asn Asp Ile Ile Leu Phe Leu
 65 70 75 80
 Cys Ala Tyr Gly Ser Lys Val Phe Pro Trp Arg Asn Val Pro Ser Ser
 85 90 95
 Pro Leu Pro Phe Gln Asn Leu Val Ile Cys Leu Leu Leu Phe Ser Phe
 100 105 110
 Lys Lys Phe Trp Pro Gly Ala Val Ala His Leu
 115 120

 <210> 781
 <211> 91
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 781
 Cys Val Thr Gln Ala Arg Val Gln Trp Arg Asp Leu Gly Ser Leu Gln
 1 5 10 15
 Pro Pro Pro Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Leu Leu Ser
 20 25 30
 Arg Xaa Asp Tyr Met His Leu Pro Arg Pro Ala Asn Phe Cys Ile
 35 40 45
 Phe Ser Lys Met Gly Phe His His Val Gly Gln Ala Gly Leu Glu Val
 50 55 60
 Leu Xaa Ser Ser Asp Leu Pro Ala Leu Ala Ser Gln Ser Ala Xaa Ile

65

70

75

80

Thr Gly Glu Pro Leu Arg Leu Ala Arg Ile Ser
85 90

<210> 782

<211> 25

<212> PRT

<213> Homo sapiens

<400> 782

Leu Pro Pro Arg Pro Ala Asn Phe Cys Ile Phe Ser Lys Met Gly Phe
1 5 10 15

His His Val Gly Gln Ala Gly Leu Glu
20 25

<210> 783

<211> 24

<212> PRT

<213> Homo sapiens

<400> 783

Leu Ile Leu Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala
1 5 10 15

Cys Ile Ser Thr Ser Phe Leu Phe
20

<210> 784

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 784

Ala Leu Val Pro Ser Pro Gln Gln Ile Leu Pro Ser Cys Phe Ser Leu
1 5 10 15

Met Trp Gln Val Thr Thr Lys Ser Ala Leu Val Phe Phe Lys Cys Ile
20 25 30

Tyr Ile Pro Phe Leu Ser Ala Pro Ser Leu Pro Arg Leu Glu Asn Cys
35 40 45

Leu Ile Phe Cys Ser Leu Asp Val Gln Ser Gln Leu Val Phe Leu Ser
50 55 60

Ser Pro Pro Val Ala Gly Val Leu Phe Phe Phe Leu Leu Ser Pro Leu
65 70 75 80

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<210> 785
<211> 26
<212> PRT
<213> Homo sapiens
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<210> 786
<211> 13
<212> PRT
<213> Homo sapiens
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<210> 787  
<211> 76  
<212> PRT  
<213> Homo sapiens
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<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids
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Leu Val Pro Phe Lys Asn Cys Tyr Ile Leu Ser Leu Leu Ile Leu Pro
20 25 30

Cys Leu His Thr Leu Gly Gly Phe Ser Phe Ser Xaa Leu Phe Leu Val
50 55 60

Leu Leu Ser Phe Tyr Val Gln Thr Gly Phe Ser Val
65 70 75

<210> 788
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 788
 Gly Thr Ser Arg His Gly Gln Arg Pro Ile Ala Pro Gly Thr Pro Trp
 1 5 10 15

Gln Arg Glu Pro Arg Val Glu Val Met Asp Pro Ala Gly Gly Pro Arg
 20 25 30

Gly Val Leu Pro Arg Pro Cys Arg Xaa Leu Val Leu Leu Asn Pro Arg
 35 40 45

Gly Gly Lys Gly Lys Ala Leu Gln Leu Phe Arg Ser His Val Gln Pro
 50 55 60

Leu Leu Ala Glu Ala Glu Ile Ser Phe Thr Leu Met Leu Thr Glu Arg
 65 70 75 80

Arg Asn His Ala Arg Glu Leu Val Arg Ser Glu Glu Leu Gly Arg Trp
 85 90 95

Xaa Ala Leu Val Val Met Xaa Gly Asp Gly Leu Met His Glu Val Val
 100 105 110

Asn Gly Leu His Gly Ala Ala
 115

<210> 789
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 789
 Arg Pro Ile Ala Pro Gly Thr Pro Trp Gln Arg Glu Pro Arg Val Glu
 1 5 10 15

Val Met Asp Pro Ala Gly Gly Pro
 20

<210> 790
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 790
 Ala Ser Gly Pro Leu Met Gly Xaa Ala Val Leu Lys Ile Phe Glu
 1 5 10 15

<210> 791
 <211> 18
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 791
 Leu Leu Arg Ser Ala Leu Xaa Ser Pro His Leu Pro Thr Pro Val Pro
 1 5 10 15

Leu Val

<210> 792
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 792

Gln Xaa Arg Asn Leu Ala Gln Glu Ala Phe Lys Trp Ile Pro Gln Asp
1 5 10 15

Arg Pro Thr Val Arg Ser Arg Xaa Arg Met Gly Leu Ser Ile Arg Leu
20 25 30

Pro Ile Leu Ala Ser Asn Cys Cys Ala Leu Pro Phe Xaa Xaa Pro Thr
35 40 45

Ser Pro Leu Gln Cys Leu Trp Ser Cys His Cys Ser Phe Gln Ala Asn
50 55 60

Thr Gly Leu Ala Ser
65

<210> 793

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 793

Gln Met Thr Gln Glu Pro Pro Thr Ser Val Arg Ala His Gly Ile Ala
1 5 10 15

Ala Trp Gly Asn Gly Cys Arg Asp Lys Asn Thr Lys Arg Leu Ile Gln
20 25 30

Tyr Trp Pro Glu Ser Cys Ser Gly Met Thr Lys Gly Thr Gly Val Gly
35 40 45

Arg Trp Gly Glu Xaa Arg Ala Glu Arg Ser Ser
50 55

<210> 794

<211> 21

<212> PRT

<213> Homo sapiens

<400> 794

His Gly Ile Ala Ala Trp Gly Asn Gly Cys Arg Asp Lys Asn Thr Lys
1 5 10 15

Arg Leu Ile Gln Tyr
20

<210> 795

<211> 13

<212> PRT

<213> Homo sapiens

<400> 795

Cys Glu Arg Ser Gly Tyr Thr Arg Met Ala Met Asp Thr
 1 5 10

<210> 796

<211> 132

<212> PRT

<213> Homo sapiens

<400> 796

Thr Gly Ser Ile Leu Ala Val Gly Lys Lys Tyr Ser Leu Gly Ser Tyr
 1 5 10 15

Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg Gly Leu Gly
 20 25 30

Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly Ile Lys Pro Asn Lys Pro
 35 40 45

Gln Gly Arg Gly Lys Leu Gln Gly Arg Ser Ser Arg Lys Asp Thr Val
 50 55 60

Leu Trp Pro Ser Pro Glu His Pro His Met Val Ser Met Ala Ile Leu
 65 70 75 80

Val Tyr Pro Asp Leu Ser His Tyr Ser Asn Pro His Ser Thr Pro Ala
 85 90 95

Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly Glu Ile Leu Gly
 100 105 110

Leu Gln Arg Pro Gly Gln Trp Pro Glu Glu Arg Cys Asp Arg Pro Trp
 115 120 125

Leu Pro Pro Cys
 130

<210> 797

<211> 29

<212> PRT

<213> Homo sapiens

<400> 797

Gly Ser Tyr Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg
 1 5 10 15

Gly Leu Gly Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly
 20 25

<210> 798

<211> 27

<212> PRT

<213> Homo sapiens

<400> 798

Ser Thr Pro Ala Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly
1 5 10 15

Glu Ile Leu Gly Leu Gln Arg Pro Gly Gln Trp
20 25

<210> 799

<211> 44

<212> PRT

<213> Homo sapiens

<400> 799

Thr Met Gly Thr Trp Val Asp Trp Leu Thr Thr Asn Thr Ala His Thr
1 5 10 15

Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu Asp Phe Pro Gln Arg His
20 25 30

Cys Gly Ser Val Glu Arg Ser Pro Asp Gln Ala Cys
35 40

<210> 800

<211> 23

<212> PRT

<213> Homo sapiens

<400> 800

Thr Asn Thr Ala His Thr Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu
1 5 10 15

Asp Phe Pro Gln Arg His Cys
20

<210> 801

<211> 15

<212> PRT

<213> Homo sapiens

<400> 801

Met Ser Pro Glu Thr Lys Gly Lys Gly Arg Ser Phe Pro Leu Lys
1 5 10 15

<210> 802

<211> 82

<212> PRT

<213> Homo sapiens

<400> 802

Cys Gln Asn Lys Cys Ser Glu Thr Thr Cys Gly Arg Thr Arg Arg Glu
1 5 10 15

Ser Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp
 20 25 30

Leu Pro Phe Pro Phe Val Ser Gly Asp Ile Gln Pro Lys Ser Ser Gly
 35 40 45

Ser Met Ala Pro Asp Gln Gln Gly Leu Cys Tyr Leu Gly Ser Trp Arg
 50 55 60

Ser His Leu Tyr Cys Arg Leu Leu Pro Met Asp Gln Val Ser Pro Ala
 65 70 75 80

Leu Cys

<210> 803

<211> 63

<212> PRT

<213> Homo sapiens

<400> 803

Lys Pro Ser Pro Gly Leu Ala Tyr Cys Ser Leu Ser Trp Ser Phe His
 1 5 10 15

Met Leu Phe Leu Asn Ile Cys Ser Gly Ile Thr Ile Pro Val Ile Leu
 20 25 30

Ser Ser Gly Pro Ser His Leu Ser Thr Leu Ser Leu Ala Val Ser Pro
 35 40 45

Arg Arg Pro Gly Thr Trp Val Lys Ala Cys Ser Cys Trp Cys Pro
 50 55 60

<210> 804

<211> 25

<212> PRT

<213> Homo sapiens

<400> 804

Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp Leu
 1 5 10 15

Pro Phe Pro Phe Val Ser Gly Asp Ile
 20 25

<210> 805

<211> 21

<212> PRT

<213> Homo sapiens

<400> 805

Tyr Leu Gly Ser Trp Arg Ser His Leu Tyr Cys Arg Leu Leu Pro Met
 1 5 10 15

Asp Gln Val Ser Pro

20

<210> 806
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 806
 Gly Ile Thr Ile Pro Val Ile Leu Ser Ser Gly Pro Ser His Leu Ser
 1 5 10 15

Thr Leu Ser Leu Ala Val Ser Pro Arg
 20 25

<210> 807
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 807
 Leu Glu Arg Leu Gly Val Gly Arg Gly Leu Glu
 1 5 10

<210> 808
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 808
 Asp Leu Pro Pro Cys Trp Thr Thr Leu Lys Glu His Gln Cys Phe Met
 1 5 10 15

Gln Tyr Gln Leu Phe Thr Ile Gln Cys Lys Val Val Glu Gln Thr Ile
 20 25 30

Cys Glu Asp Glu Arg Lys Met Glu Ser Thr Cys Leu Thr Leu Ala Xaa
 35 40 45

Pro Glu Ser Val Arg Gln Xaa Cys Pro Ala Thr Leu Trp Ser Ser Met
 50 55 60

Asn Ile Cys
 65

<210> 809
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 809
 Thr Asn Arg Val Xaa Leu Ser Trp Arg Lys Glu Glu Gln Arg Met Gly
 1 5 10 15
 Arg Thr Glu Thr Gly Ala Lys Asp Lys Gly Arg Asp Phe Leu Glu Arg
 20 25 30
 Gly Ser Arg Gly Trp Gln Leu Tyr Thr Gly Ala Ala Asp Thr Glu Glu
 35 40 45
 Val

<210> 810
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 810
 Glu Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu
 1 5 10 15
 Met Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly
 20 25 30
 Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser
 35 40 45
 Ser Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met
 50 55 60
 Gln Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg
 65 70 75 80
 Val Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile
 85 90 95
 Asn Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp
 100 105 110
 Asp Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr
 115 120 125
 Gln Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val
 130 135 140
 Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu

145 150 155 160

Arg Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe
 165 170 175

Gly Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met
 180 185 190

Arg Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser Ile Ile Gln Gly
 195 200 205

<210> 811
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 811

Ala	Leu	Leu	Lys	Tyr	Arg	Phe	Phe	Tyr	Gln	Phe	Leu	Leu	Gly	Asn	Glu
1				5					10					15	

Arg	Ala	Thr	Ala	Lys	Glu	Ile	Arg	Asp	Glu	Tyr	Val	Glu	Thr	Leu	Ser
			20					25					30		

Lys	Ile	Tyr	Leu	Ser	Tyr	Tyr	Arg	Ser	Tyr	Leu	Gly	Arg	Leu	Met	Lys
		35					40					45			

Val	Gln	Tyr	Glu	Glu	Val	Ala	Glu	Lys	Asp	Asp	Leu	Met	Gly	Val	Glu
	50					55					60				

Asp	Thr	Ala	Lys	Lys	Gly	Phe	Xaa	Ser	Lys	Pro	Ser	Leu	Arg	Ser	Arg
65					70					75					80

Asn	Thr	Ile	Phe	Thr	Leu	Gly	Thr	Arg	Gly	Ser	Val	Ile	Ser	Pro	Thr
				85				90						95	

Glu	Leu	Glu	Ala	Pro	Ile	Leu	Val	Pro	His	Thr	Ala	Gln	Arg
			100				105					110	

<210> 812
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 812

Glu Gln Arg Tyr Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa
1 5 10 15

Leu Leu Asp Asn Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe
20 25 30

Val Val Ser Gly Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly
35 40 45

Arg Thr Leu Ser Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp
50 55 60

Cys Tyr Asp Ala Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg
65 70 75 80

Phe Arg Asn Ile Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr
85 90 95

Trp

<210> 813

<211> 26

<212> PRT

<213> Homo sapiens

<400> 813

Gly Gly Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu
1 5 10 15

Phe Ser Ser Ala Leu Val Ser Ile Asn Gln
20 25

<210> 814

<211> 20

<212> PRT

<213> Homo sapiens

<400> 814

Ser Arg Lys Glu Gln Leu Val Phe Leu Ile Asn Asn Tyr Asp Met Met
1 5 10 15

Leu Gly Val Leu
20

<210> 815

<211> 411

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 815

Ala	Leu	Leu	Lys	Tyr	Arg	Phe	Phe	Tyr	Gln	Phe	Leu	Leu	Gly	Asn	Glu
1				5					10					15	

Arg	Ala	Thr	Ala	Lys	Glu	Ile	Arg	Asp	Glu	Tyr	Val	Glu	Thr	Leu	Ser
			20					25					30		

Lys	Ile	Tyr	Leu	Ser	Tyr	Tyr	Arg	Ser	Tyr	Leu	Gly	Arg	Leu	Met	Lys
		35					40					45			

Val	Gln	Tyr	Glu	Glu	Val	Ala	Glu	Lys	Asp	Asp	Leu	Met	Gly	Val	Glu
	50					55					60				

Asp	Thr	Ala	Lys	Lys	Gly	Phe	Xaa	Ser	Lys	Pro	Ser	Leu	Arg	Ser	Arg
65					70					75					80

Asn	Thr	Ile	Phe	Thr	Leu	Gly	Thr	Arg	Gly	Ser	Val	Ile	Ser	Pro	Thr
				85					90					95	

Glu	Leu	Glu	Ala	Pro	Ile	Leu	Val	Pro	His	Thr	Ala	Gln	Arg	Xaa	Glu
			100					105					110		

Gln	Arg	Tyr	Pro	Phe	Glu	Ala	Leu	Phe	Arg	Ser	Gln	His	Tyr	Xaa	Leu
		115					120					125			

Leu	Asp	Asn	Ser	Cys	Arg	Glu	Tyr	Leu	Phe	Ile	Cys	Glu	Phe	Phe	Val
	130					135					140				

Val	Ser	Gly	Pro	Xaa	Ala	His	Asp	Leu	Phe	His	Ala	Val	Met	Gly	Arg
145					150					155					160

Thr	Leu	Ser	Met	Thr	Leu	Lys	His	Leu	Asp	Ser	Tyr	Leu	Ala	Asp	Cys
				165					170					175	

Tyr	Asp	Ala	Ile	Ala	Val	Phe	Leu	Cys	Ile	His	Ile	Val	Leu	Arg	Phe
			180					185						190	

Arg	Asn	Ile	Ala	Ala	Lys	Arg	Asp	Val	Pro	Ala	Leu	Asp	Arg	Tyr	Trp
							200					205			

Glu Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu
210 215 220

Met Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly
225 230 235 240

Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser
245 250 255

Ser Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met
260 265 270

Gln Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg
275 280 285

Val Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile
290 295 300

Asn Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp
305 310 315 320

Asp Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr
325 330 335

Gln Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val
340 345 350

Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu
355 360 365

Arg Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe
370 375 380

Gly Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met
385 390 395 400

Arg Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser
405 410

<210> 816

<211> 82

<212> PRT

<213> Homo sapiens

<400> 816

Pro Ala Asp Leu Arg Ala Val Ser Gly Thr Ser Glu Val Gly Leu Met
1 5 10 15

Leu Leu Glu Leu His His Lys Val Val Asn Val Asp Glu Leu Ser Pro
20 25 30

Gly Arg Glu Gly Ser Glu Leu Arg Leu Gly Gln His Pro Val Glu Ala
35 40 45

Met Ile Glu Leu Asp Gln Leu Gly Gln Arg Ser Leu Asn Asp Thr Gly
50 55 60

Ala Ile Ser Glu Val Gly Glu Thr Pro His Tyr Ile Leu Thr Gln Arg
 65 70 75 80

Phe His

<210> 817

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 817

Gly Pro His Pro Gly Ala Ser His Ser Ala Ala Xaa Glu Gln Arg Tyr
 1 5 10 15

Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa Leu Leu Asp Asn
 20 25 30

Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe Val Val Ser Gly
 35 40 45

Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly Arg Thr Leu Ser
 50 55 60

Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp Cys Tyr Asp Ala
 65 70 75 80

Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg Phe Arg Asn Ile
 85 90 95

Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr Trp Gly Thr Gly
 100 105 110

Ala Cys Leu Ala Met Ala Thr Val
 115 120

<210> 818

<211> 303

<212> PRT

<213> Homo sapiens

<400> 818

Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15
 Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn Thr Ser Asp Asp Pro Trp
 20 25 30
 Leu Thr Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe
 35 40 45
 Leu Asp Gln Val Ala Lys Phe Ile Ile Asp Asn Thr Lys Gly Gln Met
 50 55 60
 Leu Gly Leu Gly Asn Pro Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly
 65 70 75 80
 Arg Tyr Val Pro Gly Ser Ser Gly Ser Ser Asn Thr Leu Pro Thr Ala
 85 90 95
 Asp Pro Phe Thr Gly Ala Gly Arg Tyr Val Pro Gly Ser Ala Ser Met
 100 105 110
 Gly Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr
 115 120 125
 Arg Ser Ala Ala Ser Lys Thr Met Asn Ile Tyr Phe Pro Lys Lys Glu
 130 135 140
 Ala Val Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu
 145 150 155 160
 Lys Glu Leu Asn Gly Thr Ala Pro Glu Glu Lys Lys Leu Thr Glu Asp
 165 170 175
 Asp Leu Ile Leu Leu Glu Lys Ile Leu Ser Leu Ile Cys Asn Ser Ser
 180 185 190
 Ser Glu Lys Pro Thr Val Gln Gln Leu Gln Ile Leu Trp Lys Ala Ile
 195 200 205
 Asn Cys Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu
 210 215 220
 Ser Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
 225 230 235 240
 Gly Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly
 245 250 255
 Lys Pro Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe
 260 265 270
 Val Gly Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu
 275 280 285
 Met Ser His Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile
 290 295 300

<210> 819
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 819
 His Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His
 1 5 10 15

Lys Asp

<210> 820
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 820
 His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr Ile
 1 5 10 15

Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val Ala
 20 25 30

Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala Lys
 35 40 45

Ser

<210> 821
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 821
 Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser Glu Pro
 1 5 10 15

Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu
 20 25 30

<210> 822
 <211> 400
 <212> PRT
 <213> Homo sapiens

<400> 822
 Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15

Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn Thr Ser Asp Asp Pro Trp
 20 25 30

Leu Thr Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe
 35 40 45
 Leu Asp Gln Val Ala Lys Phe Ile Ile Asp Asn Thr Lys Gly Gln Met
 50 55 60
 Leu Gly Leu Gly Asn Pro Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly
 65 70 75 80
 Arg Tyr Val Pro Gly Ser Ser Gly Ser Ser Asn Thr Leu Pro Thr Ala
 85 90 95
 Asp Pro Phe Thr Gly Ala Gly Arg Tyr Val Pro Gly Ser Ala Ser Met
 100 105 110
 Gly Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr
 115 120 125
 Arg Ser Ala Ala Ser Lys Thr Met Asn Ile Tyr Phe Pro Lys Lys Glu
 130 135 140
 Ala Val Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu
 145 150 155 160
 Lys Glu Leu Asn Gly Thr Ala Pro Glu Glu Lys Lys Leu Thr Glu Asp
 165 170 175
 Asp Leu Ile Leu Leu Glu Lys Ile Leu Ser Leu Ile Cys Asn Ser Ser
 180 185 190
 Ser Glu Lys Pro Thr Val Gln Gln Leu Gln Ile Leu Trp Lys Ala Ile
 195 200 205
 Asn Cys Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu
 210 215 220
 Ser Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
 225 230 235 240
 Gly Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly
 245 250 255
 Lys Pro Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe
 260 265 270
 Val Gly Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu
 275 280 285
 Met Ser His Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His
 290 295 300
 Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His Lys
 305 310 315 320
 Asp His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr
 325 330 335
 Ile Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val

340

345

350

Ala Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala
 355 360 365

Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser
 370 375 380

Glu Pro Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu
 385 390 395 400

<210> 823

<211> 29

<212> PRT

<213> Homo sapiens

<400> 823

Leu Asn Leu Leu Leu Ile Thr Gln Lys Val Lys Cys Trp Asp Leu Gly
 1 5 10 15

Ile Pro Ala Phe Gln Ile His Leu Gln Val Val Val Gly
 20 25

<210> 824

<211> 29

<212> PRT

<213> Homo sapiens

<400> 824

Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu Gly
 1 5 10 15

Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro
 20 25

<210> 825

<211> 22

<212> PRT

<213> Homo sapiens

<400> 825

Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His Ile Ala Leu
 1 5 10 15

Ala Thr Leu Ala Leu Asn
 20

<210> 826

<211> 23

<212> PRT

<213> Homo sapiens

<400> 826

Val Gln Leu Ala Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr
 1 5 10 15

Ser Ser Val Ser Glu Pro Ala
 20

<210> 827

<211> 26

<212> PRT

<213> Homo sapiens

<400> 827

Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15

Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn
 20 25

<210> 828

<211> 26

<212> PRT

<213> Homo sapiens

<400> 828

Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe Leu Asp
 1 5 10 15

Gln Val Ala Lys Phe Ile Ile Asp Asn Thr
 20 25

<210> 829

<211> 15

<212> PRT

<213> Homo sapiens

<400> 829

Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly Arg Tyr Val Pro Gly
 1 5 10 15

<210> 830

<211> 11

<212> PRT

<213> Homo sapiens

<400> 830

Thr Ala Asp Pro Phe Thr Gly Ala Gly Arg Tyr
 1 5 10

<210> 831

<211> 19

<212> PRT

<213> Homo sapiens

<400> 831

Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr Arg
1 5 10 15

Ser Ala Ala

<210> 832

<211> 9

<212> PRT

<213> Homo sapiens

<400> 832

Asn Ile Tyr Phe Pro Lys Lys Glu Ala
1 5

<210> 833

<211> 19

<212> PRT

<213> Homo sapiens

<400> 833

Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu Lys Glu
1 5 10 15

Leu Asn Gly

<210> 834

<211> 30

<212> PRT

<213> Homo sapiens

<400> 834

Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu Ser Ile
1 5 10 15

Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
20 25 30

<210> 835

<211> 31

<212> PRT

<213> Homo sapiens

<400> 835

Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly Lys Pro
1 5 10 15

Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe Val
20 25 30

<210> 836
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 836
 Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu Met Ser
 1 5 10 15
 His Ala Ile Glu Leu Lys Ser Gly Ser Asn
 20 25

<210> 837
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 837
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu
 1 5 10 15
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu
 20 25 30
 Gln Ile Pro Glu Val Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln
 35 40 45
 Ser Glu Ile Arg Thr Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val
 50 55 60
 Gln Cys Ile Leu Arg Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu
 65 70 75 80
 Ala Asn Glu Asp Ser Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu
 85 90 95
 Val Phe Val Leu Ile Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val
 100 105 110
 Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser
 115 120 125
 Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu
 130 135

<210> 838
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 838
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu
 1 5 10 15
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu

	20		25		30
Gln Ile Pro Glu Val Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln					
	35		40		45
Ser Glu Ile Arg Thr Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val					
	50		55		60
Gln Cys Ile Leu Arg Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu					
	65		70		75
Ala Asn Glu Asp Ser Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu					
		85		90	95
Val Phe Val Leu Ile Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val					
	100		105		110
Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser					
	115		120		125
Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu Phe Ile Lys Thr Ile					
	130		135		140

<210> 839
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 839
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu
 1 5 10

<210> 840
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 840
 Glu Ala Pro Trp Pro Ser Ala Gln Ser Glu Ile
 1 5 10

<210> 841
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 841
 Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu
 1 5 10 15

Phe Ile Lys Thr Ile
 20

<210> 842
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 842
 Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn
 1 5 10 15

Pro Pro

<210> 843
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 843
 Tyr Lys Thr Pro Arg Asp Lys Val Gln Cys Ile Leu
 1 5 10

<210> 844
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 844
 Gly Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys
 1 5 10 15

<210> 845
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 845
 Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro
 1 5 10

<210> 846
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 846
 Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly Pro
 1 5 10 15

Cys

<210> 847
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 847
 Met Pro Gly Arg Trp Arg Trp Gln Arg Asp Met His Pro Ala Arg Lys
 1 5 10 15
 Leu Leu Ser Leu Leu Phe Leu Ile Leu Met Gly Thr Glu Leu Thr Gln
 20 25 30
 Asp

<210> 848
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 848
 Ser Ala Ala Pro Asp Ser Leu Leu Arg Ser Ser Lys Gly Ser Thr Arg
 1 5 10 15
 Gly Ser Leu

<210> 849
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 849
 Ala Ala Ile Val Ile Trp Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys
 1 5 10 15
 Thr Pro Gly Ile
 20

<210> 850
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 850
 Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly Gly Gly
 1 5 10 15
 Asp

<210> 851
 <211> 20
 <212> PRT

<213> Homo sapiens

<400> 851

Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly Gln Leu Cys
1 5 10 15

Ala Leu Leu Ala
20

<210> 852

<211> 20

<212> PRT

<213> Homo sapiens

<400> 852

Phe Arg Gly Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu
1 5 10 15

Trp Leu Ile Leu
20

<210> 853

<211> 28

<212> PRT

<213> Homo sapiens

<400> 853

Asn Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly
1 5 10 15

Pro Cys Met Pro Gly Arg Trp Arg Trp Gln Arg Asp
20 25

<210> 854

<211> 80

<212> PRT

<213> Homo sapiens

<400> 854

Tyr Ile Val Gln Gly Thr Thr Ser Pro Phe Glu Met Pro Thr Ile Pro
1 5 10 15

Thr Pro Ala Arg His Arg Ala Pro His Ser Pro Pro Ala Gly His Val
20 25 30

Ala Thr Ala Pro Gln Ala Leu His Ile Lys Pro Ala Met His Thr Ala
35 40 45

Gly Arg His Ala Gly Cys Pro Ser Arg Ser Gln Arg His Asn Pro His
50 55 60

Arg Leu Phe Leu Glu Pro Pro Arg Ala Ala Leu Cys Pro Lys Gly Gly
65 70 75 80

<210> 855
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 855
 Ala Ser Asn Ala His Ser Trp Pro Ala Arg Trp Leu Pro Phe Gln Val
 1 5 10 15
 Ser Ala Ala Gln Ser Pro Pro Pro Val Ser Gly Ala Pro Lys Gly Ser
 20 25 30
 Val Met Pro Lys Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly
 35 40 45
 Arg Thr Lys Val Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala Ile
 50 55 60
 Arg Leu Ser Leu Phe Pro Leu Gln Met Thr Ile Ala Ala Lys Asp Pro
 65 70 75 80
 Leu Val Leu Pro Phe Glu Leu Leu Ser Arg Glu Ser Gly Ala Ala Glu
 85 90 95
 Ser

<210> 856
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 856
 Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly Arg Thr Lys Val
 1 5 10 15
 Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala
 20 25

<210> 857
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 857
 Gly His Gln Thr Ala Pro Glu Thr Pro Ser Arg Ser Asp
 1 5 10

<210> 858
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 858

Ser Gln Thr Asp Arg
 1 5

<210> 859

<211> 22

<212> PRT

<213> Homo sapiens

<400> 859

Asn Ile Tyr Phe Lys Glu Lys Arg Lys Arg Gly Gly Ala Lys Met Ala
 1 5 10 15

Gly Ala Ile Ile Glu Asn
 20

<210> 860

<211> 147

<212> PRT

<213> Homo sapiens

<400> 860

Val Tyr Leu Cys Ala Tyr Thr Ser Thr Ile Asn Val Thr Val Thr Thr
 1 5 10 15

Ala Asn Ala Lys Leu Ile Asn Met Cys Cys Leu Val Asp Ser Asn Thr
 20 25 30

Arg Ser Cys Val Val Ile Asp Glu Gly Ile Phe Arg Ser Ala Glu Gln
 35 40 45

Phe Leu Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe
 50 55 60

Thr Trp Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met
 65 70 75 80

Gly Trp Cys Ile Gln Glu His Gln Ser Lys Asp Ile Gln Ile Pro His
 85 90 95

Pro Ile Asp Ala Cys Glu Lys Gly Thr Val His Leu Asp Cys Asp Ala
 100 105 110

Ala Pro Phe Pro Met Ala Phe Arg Tyr Leu Thr Asn Asp Glu Glu Asp
 115 120 125

Asp Ser His Gly Ser Ala Gly Gln Gly Asp Lys His Glu Glu Leu Glu
 130 135 140

Pro Lys Asn
 145

<210> 861

<211> 112

<212> PRT

<213> Homo sapiens

<400> 861

Lys Met Pro Cys Arg Met Ser Pro Asn Ser Ser Ile Gln Val Gln Ser
 1 5 10 15

Asn Pro Met Glu Asn His Ser Thr Gly Ile Leu Ile Lys Val Met Glu
 20 25 30

Ile Pro Arg Ala Lys Met Thr Phe Ser Arg Ser Thr Gly Gly Arg Asp
 35 40 45

Ile Met Val Ile Leu Leu Gln Tyr His Thr Ile Met Met Lys Met Leu
 50 55 60

Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro Pro
 65 70 75 80

Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile Pro
 85 90 95

Thr Leu Ile Phe Phe Phe Ser Phe Thr Gly Ser Arg Met Phe Lys Arg
 100 105 110

<210> 862

<211> 74

<212> PRT

<213> Homo sapiens

<400> 862

Thr Thr Lys Ser Glu Lys Met Gln Lys Ser Pro Trp Thr Phe Pro Trp
 1 5 10 15

Leu Thr Val Met Thr His Leu Leu Ser Gly Leu Lys Trp Pro Met Lys
 20 25 30

Glu Tyr His Gly Asn Ser Asn Ala Pro Ser His Leu Pro Arg Leu Gln
 35 40 45

Ser Met Arg Ala Val Thr Met Asn Val Met Ser Phe Leu Ser Trp Lys
 50 55 60

Leu Gly Leu Trp Pro Ile Ser Phe Thr Phe
 65 70

<210> 863

<211> 31

<212> PRT

<213> Homo sapiens

<400> 863

Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe Thr Trp

1 5 10 15
 Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met Gly
 20 25 30

<210> 864
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 864
 Ser Ser Ile Gln Val Gln Ser Asn Pro Met Glu Asn His Ser Thr Gly
 1 5 10 15

Ile Leu Ile Lys Val Met Glu Ile Pro Arg Ala Lys Met
 20 25

<210> 865
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 865
 Leu Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro
 1 5 10 15

Pro Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile
 20 25 30

Pro

<210> 866
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 866
 Thr Met Ala Ser Met Gly Leu Gln Val
 1 5

<210> 867
 <211> 167
 <212> PRT
 <213> Homo sapiens

<400> 867
 Lys Ser Trp Met Met Leu Trp Ala Val Gln Asp Thr Gly Thr Ile Thr
 1 5 10 15

Ile Arg Pro Ala Asn Arg Asn Thr Thr Pro Ala Thr Ile Met Val Leu
 20 25 30

Ala Leu Ala Leu Ser Ser Ser Arg Gln Leu Val His Leu Pro Pro Thr

35

40

45

Thr Asp Ser Ser Thr Pro Arg Ala Ala Thr Met Met Leu Met Met Thr
 50 55 60

Arg Ala Arg Ala Ala Cys Arg Ser Cys Gly Ser Ala Ser Ser Glu Ser
 65 70 75 80

Tyr Thr Leu His Cys Ile Trp Pro Val Leu Cys Thr Thr Gln Phe Ile
 85 90 95

His Arg Pro Ser Gln Met Val Cys Glu Val Thr Met Leu Leu Pro Met
 100 105 110

Lys Ala Val Thr Arg His Met Gly Ser Ala Gln His Ser Met Thr Ala
 115 120 125

Ser Gln Pro Arg Thr Ala Ser Ala Met Pro Ile Thr Cys Ser Pro Met
 130 135 140

Glu Ala Ile Val Gln Arg Pro Arg Glu Leu Arg Thr Trp Lys Ala Glu
 145 150 155 160

Gly Ile Arg Leu Trp Gly Pro
 165

<210> 868

<211> 28

<212> PRT

<213> Homo sapiens

<400> 868

Leu Gln Val Met Gly Ile Ala Leu Ala Val Leu Gly Trp Leu Ala Val
 1 5 10 15

Met Leu Cys Cys Ala Leu Pro Met Trp Arg Val Thr
 20 25

<210> 869

<211> 22

<212> PRT

<213> Homo sapiens

<400> 869

Ser Asn Ile Val Thr Ser Gln Thr Ile Trp Glu Gly Leu Trp Met Asn
 1 5 10 15

Cys Val Val Gln Ser Thr
 20

<210> 870

<211> 18

<212> PRT

<213> Homo sapiens

<400> 870

Gln Met Gln Cys Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp
 1 5 10 15

Leu Gln

<210> 871

<211> 18

<212> PRT

<213> Homo sapiens

<400> 871

Lys Cys Thr Asn Cys Leu Glu Asp Glu Ser Ala Lys Ala Lys Thr Met
 1 5 10 15

Ile Val

<210> 872

<211> 32

<212> PRT

<213> Homo sapiens

<400> 872

Gly Val Val Phe Leu Leu Ala Gly Leu Met Val Ile Val Pro Val Ser
 1 5 10 15

Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala
 20 25 30

<210> 873

<211> 12

<212> PRT

<213> Homo sapiens

<400> 873

Cys Cys Asn Cys Pro Pro Arg Thr Asp Lys Pro Tyr
 1 5 10

<210> 874

<211> 14

<212> PRT

<213> Homo sapiens

<400> 874

Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu Glu
 1 5 10

<210> 875

<211> 11
 <212> PRT
 <213> Homo sapiens

<400> 875
 Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg
 1 5 10

<210> 876
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 876
 Val Val His Thr Val Ser Leu His Glu Ile Asp Val Ile Asn Ser Arg
 1 5 10 15

Thr Gln Gly Phe Leu Ala Leu Phe
 20

<210> 877
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 877
 Pro Gly Val Leu Phe Ile Asp Glu Val His Met Leu Asp Ile Glu
 1 5 10 15

<210> 878
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 878
 Ala Gly Ile Arg Gln Arg Phe Ser Ala Arg Leu Trp Gln Leu Val Ser
 1 5 10 15

Ile Met Ala Thr Val Thr Ala Thr Thr Lys Val Pro Glu Ile Arg Asp
 20 25 30

Val Thr Arg Ile Glu Arg Ile Gly Ala His Ser His Ile Arg Gly Leu
 35 40 45

Gly Leu Asp Asp Ala Leu Glu Pro Arg Gln Ala Ser Gln Gly Met Val
 50 55 60

Gly Gln Leu Ala Ala Arg Arg Ala Ala Gly Val Val Leu Glu Met Ile
 65 70 75 80

Arg Glu Gly Lys Ile Ala Gly Arg Ala Val Leu Ile Ala Gly Gln Pro
85 90 95

Gly Thr Gly Lys Thr Ala Ile Ala Met Gly Met Ala Gln Ala Leu Gly
100 105 110

Pro Asp Thr Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu
115 120 125

Glu Met Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg Arg Ser Ile
130 135 140

Gly Val Arg Ile Lys Glu Glu Thr Glu Ile Ile Glu Gly Glu Val Val
145 150 155 160

Glu Ile Gln Ile Asp Arg Pro Ala Thr Gly Thr Gly Ser Lys Val Gly
165 170 175

Lys Leu Thr Leu Lys Thr Thr Glu Met Glu Thr Ile Tyr Asp Leu Gly
180 185 190

Thr Lys Met Ile Xaa Ser Leu Thr Lys Asp Lys Val Gln Ala Gly Asp
195 200 205

Val Ile Thr Ile Asp Lys Ala Thr Gly Lys Ile Ser Lys Leu Gly Arg
210 215 220

Ser Phe Thr Arg Ala Arg Glu Leu Arg Arg Tyr Gly Leu Pro Asp Gln
225 230 235 240

Val Arg Ala Val Pro Arg Trp Gly Ala Pro Glu Thr Gln Gly Gly Gly
245 250 255

Ala His Arg Val Pro Ala Arg Asp Arg Arg His Gln Leu Ser His Pro
260 265 270

Gly Leu Pro Gly Ala Leu Leu Arg
275 280

<210> 879

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 879

Ser Pro Ser Thr Arg Arg Arg Ala Arg Ser Pro Ser Trp Ala Ala Pro
1 5 10 15

Ser His Ala Pro Ala Asn Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe
20 25 30

Val Gln Cys Pro Asp Gly Glu Leu Gln Lys Arg Lys Glu Val Val His

35 40 45
 Thr Val Ser Leu His Glu Ile Asp Val Ile Asn Ser Arg Thr Gln Gly
 50 55 60
 Phe Leu Ala Leu Phe Ser Gly Asp Thr Gly Glu Ile Lys Ser Glu Val
 65 70 75 80
 Arg Glu Gln Ile Asn Ala Lys Val Ala Glu Trp Arg Glu Glu Gly Lys
 85 90 95
 Ala Glu Ile Ile Pro Gly Val Leu Phe Ile Asp Glu Val His Met Leu
 100 105 110
 Asp Ile Glu Ser Phe Ser Phe Leu Asn Arg Ala Leu Glu Ser Asp Met
 115 120 125
 Ala Pro Val Gln Gln Val Tyr Gly Asp Ala Val Arg Ala Leu Val Ala
 130 135 140
 Gly Ala Pro Asp Ser Arg Asp Ala Thr Val Gly Gly Leu Val Pro Asn
 145 150 155 160
 Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro Pro Pro Arg
 165 170 175
 Trp Xaa Ser

 <210> 880
 <211> 89
 <212> PRT
 <213> Homo sapiens

 <400> 880
 Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Ala Thr Asn Arg Gly
 1 5 10 15
 Ile Thr Arg Ile Arg Gly Thr Ser Tyr Gln Ser Pro His Gly Ile Pro
 20 25 30
 Ile Asp Leu Leu Asp Arg Arg His Val Thr Leu Gln Gly Pro Val Glu
 35 40 45
 Glu Gly Glu Ala Leu Asp Val Gln His Val Asp Leu Val Asp Glu Gln
 50 55 60
 His Ser Arg Asp Asp Leu Arg Leu Ala Leu Leu Ala Pro Leu Ser His
 65 70 75 80
 Leu Gly Ile Asp Leu Leu Thr Asp Phe
 85

<210> 881
 <211> 30
 <212> PRT

<213> Homo sapiens

<400> 881

Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe Val Gln Cys Pro Asp Gly
1 5 10 15

Glu Leu Gln Lys Arg Lys Glu Val Val His Thr Val Ser Leu
20 25 30

<210> 882

<211> 31

<212> PRT

<213> Homo sapiens

<400> 882

Lys Ala Glu Ile Ile Pro Gly Val Leu Phe Ile Asp Glu Val His Met
1 5 10 15

Leu Asp Ile Glu Ser Phe Ser Phe Leu Asn Arg Ala Leu Glu Ser
20 25 30

<210> 883

<211> 28

<212> PRT

<213> Homo sapiens

<400> 883

Glu Ala Thr Asn Arg Gly Ile Thr Arg Ile Arg Gly Thr Ser Tyr Gln
1 5 10 15

Ser Pro His Gly Ile Pro Ile Asp Leu Leu Asp Arg
20 25

<210> 884

<211> 22

<212> PRT

<213> Homo sapiens

<400> 884

Met Arg Ser Ala Arg Pro Ser Leu Gly Cys Leu Pro Ser Trp Ala Phe
1 5 10 15

Ser Gln Ala Leu Asn Ile
20

<210> 885

<211> 22

<212> PRT

<213> Homo sapiens

<400> 885

Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys
1 5 10 15

Glu Lys Gly Asn Phe Asn
20

<210> 886
<211> 26
<212> PRT
<213> Homo sapiens

<400> 886
Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr Leu Arg Leu
1 5 10 15
Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg
20 25

<210> 887
<211> 18
<212> PRT
<213> Homo sapiens

<400> 887
Thr Tyr Asn Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln
1 5 10 15
Arg Cys

<210> 888
<211> 43
<212> PRT
<213> Homo sapiens

<400> 888
Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala
1 5 10 15
Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp
20 25 30
Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn
35 40

<210> 889
<211> 45
<212> PRT
<213> Homo sapiens

<400> 889
Ser Ile Tyr Glu Leu Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val
1 5 10 15
Leu Glu Tyr Ala Thr Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr
20 25 30

Ser Gln Ala Gly Phe Ser Gly Glu Asp Arg Leu Glu Gln
 35 40 45

<210> 890

<211> 92

<212> PRT

<213> Homo sapiens

<400> 890

Ala Lys Leu Phe Cys Arg Thr Leu Glu Asp Ile Leu Ala Asp Ala Pro
 1 5 10 15

Glu Ser Gln Asn Asn Cys Arg Leu Ile Ala Tyr Gln Glu Pro Ala Asp
 20 25 30

Asp Ser Ser Phe Ser Leu Ser Gln Glu Val Leu Arg His Leu Arg Gln
 35 40 45

Glu Glu Lys Glu Glu Val Thr Val Gly Ser Leu Lys Thr Ser Ala Val
 50 55 60

Pro Ser Thr Ser Thr Met Ser Gln Glu Pro Glu Leu Leu Ile Ser Gly
 65 70 75 80

Met Glu Lys Pro Leu Pro Leu Arg Thr Asp Phe Ser
 85 90

<210> 891

<211> 43

<212> PRT

<213> Homo sapiens

<400> 891

Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys
 1 5 10 15

Glu Lys Gly Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr
 20 25 30

Ile Gly Tyr Leu Arg Leu Ile Leu Pro Glu Leu
 35 40

<210> 892

<211> 76

<212> PRT

<213> Homo sapiens

<400> 892

Leu Arg Leu His Ser Glu Lys Leu Pro Leu Ala Ala Arg Ser Ala Gly
 1 5 10 15

Pro Ser Leu Leu Val Ile Ile Gln Ser Ser Gln Cys Pro Gly Gly Arg
 20 25 30

Arg Tyr Arg Gly Ser Tyr Trp Arg Thr Val Arg Ala Cys Leu Gly Cys

35

40

45

Pro Leu Arg Arg Gly Ala Leu Leu Leu Ser Ile Tyr Phe Tyr Tyr
 50 55 60

Ser Leu Pro Asn Ala Val Gly Pro Pro Phe Thr Trp
 65 70 75

<210> 893

<211> 133

<212> PRT

<213> Homo sapiens

<400> 893

Val Trp Leu Thr Pro Thr Phe Ala Ser Trp Ile Asn Cys Pro Ser Arg
 1 5 10 15

Pro Val Thr Val Leu Ala Ser Arg Ile Gly Phe Thr Ala Thr Ala Ser
 20 25 30

Met Ser Phe Trp Arg Thr Gly Ser Gly Arg Ala Pro Val Ser Trp Ser
 35 40 45

Thr Pro Pro Pro Cys Arg Leu Cys Leu Pro Cys His Asn Thr Val Lys
 50 55 60

Leu Ala Leu Ala Gly Arg Ile Gly Leu Ser Arg Pro Asn Ser Ser Ala
 65 70 75 80

Gly His Leu Arg Thr Ser Trp Gln Met Pro Leu Ser Leu Arg Thr Thr
 85 90 95

Ala Ala Ser Leu Pro Thr Arg Asn Leu Gln Met Thr Ala Ala Ser Arg
 100 105 110

Cys Pro Arg Arg Phe Ser Gly Thr Cys Gly Arg Arg Lys Arg Lys Arg
 115 120 125

Leu Leu Trp Ala Ala
 130

<210> 894

<211> 87

<212> PRT

<213> Homo sapiens

<400> 894

Gly Val Cys Gln Val Ser Phe Met Gly Pro Ser Arg Pro Thr Pro His
 1 5 10 15

Pro Ser Pro Leu Pro Leu Pro Gly Asp Ala Glu Leu Ser Gln Trp Tyr
 20 25 30

Gln Gln Ala Pro Ser Pro Ser Gly Ser Trp Ser Cys Ser Ile Ile Gly
 35 40 45

Glu Pro Gln Gln Lys Asn Gly Glu Glu Glu Glu Ala Glu Phe Gly Val
50 55 60

Leu Asn Pro Pro Ala Pro Thr Leu Gln His Gln Gly Cys Tyr Gly Leu
65 70 75 80

Ser Cys Arg Ala Thr Leu Ala
85

<210> 895
<211> 22
<212> PRT
<213> Homo sapiens

<400> 895
Thr Met Lys Leu Leu Lys Leu Arg Arg Asn Ile Val Lys Leu Ser Leu
1 5 10 15

Tyr Arg His Phe Thr Asn
20

<210> 896
<211> 22
<212> PRT
<213> Homo sapiens

<400> 896
Thr Leu Ile Leu Ala Val Ala Ala Ser Ile Val Phe Ile Ile Trp Thr
1 5 10 15

Thr Met Lys Phe Arg Ile
20

<210> 897
<211> 28
<212> PRT
<213> Homo sapiens

<400> 897
Val Thr Cys Gln Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile
1 5 10 15

Trp Arg Leu Leu Phe Ser Met Ile Leu Phe Val Ile
20 25

<210> 898
<211> 27
<212> PRT
<213> Homo sapiens

<400> 898
Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser
1 5 10 15

Pro Leu Ser Glu Glu Glu Glu Asp Glu Gln
 20 25

<210> 899
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 899
 Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser
 1 5 10 15

Pro Leu Ser Glu Glu Glu Glu Asp Glu Gln
 20 25

<210> 900
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 900
 Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys Met Arg Ser
 1 5 10 15

Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys Ala Gln Glu
 20 25 30

Asp Asp Leu
 35

<210> 901
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 901
 Lys Trp Val Glu Glu Asn Val Pro Ser Ser Val Thr Asp Val Ala Leu
 1 5 10 15

Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg Met Ile Thr His Phe Glu
 20 25 30

Arg Ser Lys Met Glu
 35

<210> 902
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 902
 Asp Pro Arg Val Arg Leu Asn Ser Leu Thr Cys Lys His Ile Phe Ile
 1 5 10 15

Ser Leu Thr Gln
20

<210> 903
<211> 11
<212> PRT
<213> Homo sapiens

<400> 903
Asn Ala Phe Gly Arg His Ser Thr Ala Val Lys
1 5 10

<210> 904
<211> 283
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 904
Glu Ser Cys Leu Leu Cys Gly Ile Ser Glu Tyr Pro Ile Gln Arg Xaa
1 5 10 15

Ile Cys Pro Gly Cys Phe Asp Pro Cys Arg Xaa Ala Phe Ser Ser Glu
20 25 30

Thr Leu Thr Gly Ser Asn Pro Gly His His Ser Gln Ser Gly Ile Trp
35 40 45

His Arg Gln Ala Thr Pro Gly Val Thr Leu His Lys Val Val Val Ala
50 55 60

Xaa Ala Leu Tyr Leu Leu Phe Ser Gly Met Glu Gly Val Leu Arg Val
65 70 75 80

Thr Gly Ala Gln Thr Asp Leu Ala Ser Leu Ala Phe Ile Pro Leu Ala
85 90 95

Phe Leu Asp Thr Ala Leu Cys Trp Trp Ile Phe Ile Ser Leu Thr Gln
100 105 110

Thr Met Lys Leu Leu Lys Leu Arg Arg Asn Ile Val Lys Leu Ser Leu
115 120 125

Tyr Arg His Phe Thr Asn Thr Leu Ile Leu Ala Val Ala Ala Ser Ile
130 135 140

Val Phe Ile Ile Trp Thr Thr Met Lys Phe Arg Ile Val Thr Cys Gln
145 150 155 160

Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile Trp Arg Leu Leu
165 170 175

Phe Ser Met Ile Leu Phe Val Ile Met Val Leu Trp Arg Pro Ser Ala
180 185 190

Asn Asn Gln Arg Phe Ala Phe Ser Pro Leu Ser Glu Glu Glu Glu Glu
195 200 205

Asp Glu Gln Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys
210 215 220

Met Arg Ser Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys
225 230 235 240

Ala Gln Glu Asp Asp Leu Lys Trp Val Glu Glu Asn Val Pro Ser Ser
245 250 255

Val Thr Asp Val Ala Leu Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg
260 265 270

Met Ile Thr His Phe Glu Arg Ser Lys Met Glu
275 280

<210> 905

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 905

Tyr Glu Pro Met Asp Phe Xaa Met Ala Leu Ile Tyr Asp
1 5 10

<210> 906

<211> 16

<212> PRT

<213> Homo sapiens

<400> 906

Ile Arg His Glu Leu Thr Val Leu Arg Asp Thr Arg Pro Ala Cys Ala
1 5 10 15

<213> Homo sapiens

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<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids
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1	5	10
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<213> Homo sapiens

1				5		10		15
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Ser Ile Pro Gly Gly Tyr Asn Ala
20

<213> Homo sapiens

1 5 10 15

Gln Glu Gln Phe Gly Gly Asn Pro Phe
20 25

<213> Homo sapiens

1 5 10 15

Arg Thr Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala Pro Gln Thr
20 25 30

<210> 911
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 911
 Ser Gln Ser Ser Ser Ala Ser Ser Gly Thr Ala Ser Thr Val Gly Gly
 1 5 10 15
 Thr Thr Gly Ser Thr Ala Ser Gly Thr Ser Gly Gln Ser Thr Thr Ala
 20 25 30
 Pro Asn Leu Val Pro Gly Val Gly Ala Ser Met Phe Asn Thr Pro Gly
 35 40 45
 Met Gln Ser Leu Leu Gln Gln Ile Thr Glu Asn Pro Gln Leu Met Gln
 50 55 60
 Asn Met Leu Ser Ala Pro Tyr
 65 70

<210> 912
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 912
 Met Arg Ser Met Met Gln Ser Leu Ser Gln Asn Pro Asp Leu Ala Ala
 1 5 10 15
 Gln Met Met Leu Asn Asn Pro Leu Phe Ala Gly Asn Pro Gln Leu Gln
 20 25 30
 Glu Gln Met Arg Gln Gln Leu Pro Thr Phe Leu Gln Gln
 35 40 45

<210> 913
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 913
 Met Gln Asn Pro Asp Thr Leu Ser Ala Met Ser Asn Pro Arg Ala Met
 1 5 10 15
 Gln Ala Leu Leu Gln Ile Gln Gln Gly Leu Gln Thr Leu Ala Thr Glu
 20 25 30
 Ala Pro Gly Leu Ile Pro Gly Phe Thr Pro Gly Leu Gly Ala Leu Gly
 35 40 45
 Ser Thr Gly Gly Ser Ser Gly Thr Asn Gly Ser Asn Ala Thr Pro Ser
 50 55 60
 Glu Asn Thr Ser Pro Thr Ala Gly Thr

65

70

<210> 914
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 914
 Thr Glu Pro Gly His Gln Gln Phe Ile Gln Gln Met Leu Gln Ala Leu
 1 5 10 15
 Ala Gly Val Asn Pro Gln Leu Gln Asn Pro Glu Val Arg Phe Gln Gln
 20 25 30
 Gln Leu Glu Gln Leu Ser Ala Met Gly Phe Leu Asn Arg Glu Ala Asn
 35 40 45
 Leu Gln Ala Leu Ile Ala Thr Gly Gly Asp Ile Asn Ala Ala Ile Glu
 50 55 60
 Arg Leu Leu Gly Ser Gln Pro Ser
 65 70

<210> 915
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 915
 Arg Asn Pro Ala Met Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala
 1 5 10 15
 Leu Ser Asn Leu Glu Ser Ile Pro Gly Gly Tyr Asn Ala Leu Arg Arg
 20 25 30
 Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala
 35 40 45

<210> 916
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 916
 Gly Asn Pro Phe Ala Ser Leu Val Ser Asn Thr Ser Ser
 1 5 10

<210> 917
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 917
 Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala

65

70

<210> 914

<211> 72

<212> PRT

<213> Homo sapiens

<400> 914

Thr Glu Pro Gly His Gln Gln Phe Ile Gln Gln Met Leu Gln Ala Leu
 1 5 10 15

Ala Gly Val Asn Pro Gln Leu Gln Asn Pro Glu Val Arg Phe Gln Gln
 20 25 30

Gln Leu Glu Gln Leu Ser Ala Met Gly Phe Leu Asn Arg Glu Ala Asn
 35 40 45

Leu Gln Ala Leu Ile Ala Thr Gly Gly Asp Ile Asn Ala Ala Ile Glu
 50 55 60

Arg Leu Leu Gly Ser Gln Pro Ser
 65 70

<210> 915

<211> 45

<212> PRT

<213> Homo sapiens

<400> 915

Arg Asn Pro Ala Met Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala
 1 5 10 15

Leu Ser Asn Leu Glu Ser Ile Pro Gly Gly Tyr Asn Ala Leu Arg Arg
 20 25 30

Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala
 35 40 45

<210> 916

<211> 13

<212> PRT

<213> Homo sapiens

<400> 916

Gly Asn Pro Phe Ala Ser Leu Val Ser Asn Thr Ser Ser
 1 5 10

<210> 917

<211> 11

<212> PRT

<213> Homo sapiens

<400> 917

Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala

1 5 10

<210> 918
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 918
 Gly Lys Ile Leu Lys Asp Gln Asp Thr Leu Ser Gln His Gly Ile His
 1 5 10 15

Asp

<210> 919
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 919
 Gly Leu Thr Val His Leu Val Ile Lys Thr Gln Asn Arg Pro
 1 5 10

<210> 920
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 920
 Ser Glu Leu Gln Ser Gln Met Gln Arg Gln Leu Leu Ser Asn Pro Glu
 1 5 10 15

Met Met

<210> 921
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 921
 Pro Glu Ile Ser His Met Leu Asn Asn Pro Asp Ile Met Arg
 1 5 10

<210> 922
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 922
 Arg Gln Leu Ile Met Ala Asn Pro Gln Met Gln Gln Leu Ile Gln Arg
 1 5 10 15

Asn Pro

<210> 923
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 923
 Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser
 20 25

<210> 924
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 924
 Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu Cys Leu Ala
 1 5 10 15

Phe Val Glu Ser Lys Phe Asn
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<210> 925
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 925
 Asn Glu Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn
 1 5 10 15

Ser His Tyr Trp Cys Asn
 20

<210> 926
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 926
 Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser
 20 25

<210> 927
 <211> 13

<212> PRT
 <213> Homo sapiens

<400> 927
 Glu Pro Ser Ala Leu Ser Cys Thr Ser Ser Pro Pro Arg
 1 5 10

<210> 928
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 928
 Ile Arg Glu Val Asn Glu Val Ile Gln Asn Pro Ala Thr
 1 5 10

<210> 929
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 929
 Ile Thr Arg Ile Leu Leu Ser His Phe Asn Trp Asp Lys Glu Lys Leu
 1 5 10 15

Met Glu Arg Tyr Phe Asp Gly Asn Leu Glu Lys Leu Phe Ala
 20 25 30

<210> 930
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 930
 Asn Thr Arg Ser Ser Ala Gln Asp Met Pro Cys Gln Ile Cys Tyr Leu
 1 5 10 15

Asn Tyr Pro Asn Ser Tyr Phe
 20

<210> 931
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 931
 Cys Asp Ile Leu Val Asp Asp Asn Thr Val Met Arg Leu Ile Thr Asp
 1 5 10 15

Ser Lys Val Lys Leu Lys Tyr Gln His Leu Ile Thr Asn Ser Phe Val
 20 25 30

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His
 35 40 45

Val Val Lys Val Gln Tyr Pro Asp Ala Lys Pro Val
 50 55 60

<210> 932
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 932
 Cys Asp Ile Leu Val Asp Asp Asn Thr Val Met Arg Leu Ile Thr Asp
 1 5 10 15

Ser Lys Val Lys Leu Lys Tyr Gln His Leu Ile Thr Asn Ser Phe Val
 20 25 30

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His
 35 40 45

Val Val Lys Val
 50

<210> 933
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 933
 Gly Cys Asn His Met Val Cys Arg Asn Gln Asn Cys Lys Ala Glu Phe
 1 5 10 15

Cys Trp Val Cys Leu Gly Pro Trp Glu Pro His Gly Ser Ala Trp Tyr
 20 25 30

Asn Cys Asn Arg Tyr Asn Glu Asp Asp Ala Lys Ala Ala Arg Asp Ala
 35 40 45

Gln Glu Arg Ser Arg Ala Ala Leu Gln Arg Tyr Leu
 50 55 60

<210> 934
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 934
 Phe Tyr Cys Asn Arg Tyr Met Asn His Met Gln Ser Leu Arg Phe Glu
 1 5 10 15

His Lys Leu Tyr Ala Gln Val Lys Gln Lys Met Glu Glu Met Gln Gln
 20 25 30

His Asn Met Ser Trp Ile Glu Val Gln Phe Leu Lys Lys Ala Val Asp
 35 40 45

Val Leu Cys Gln Cys Arg Ala Thr Leu Met Tyr Thr
 50 55 60

<210> 935
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 935
 Tyr Val Phe Ala Phe Tyr Leu Lys Lys Asn Asn Gln Ser Ile Ile Phe
 1 5 10 15

Glu Asn Asn Gln Ala Asp Leu Glu Asn Ala Thr Glu Val Leu Ser Gly
 20 25 30

Tyr Leu Glu Arg Asp Ile Ser Gln Asp Ser Leu Gln Asp Ile Lys Gln
 35 40 45

Lys Val Gln Asp Lys Tyr Arg Tyr Cys Glu Ser Arg
 50 55 60

<210> 936
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 936
 Thr Gly Leu Glu Cys Gly His Lys Phe Cys Met Gln Cys Trp Ser Glu
 1 5 10 15

Tyr Leu Thr Thr Lys Ile Met Glu Glu Gly Met Gly Gln Thr Ile Ser
 20 25 30

Cys Pro Ala His Gly
 35

<210> 937
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 937
 Met Trp Gly Tyr Leu Phe Val Asp Ala Ala Trp Asn Phe Leu Gly Cys
 1 5 10 15

Leu Ile Cys Gly Trp
 20

<210> 938
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 938

Met His Phe Ile Ser Ser Gly Asn Val Ser Ala Ile Arg Ser Ser Ile
 1 5 10 15

Leu Leu Leu Arg Xaa Ser Leu Ser Tyr Leu Gly Asn Cys Leu Arg Val
 20 25 30

Ser Ala Ile Phe Val Tyr Phe Leu Leu Phe Leu Leu Leu Ser
 35 40 45

<210> 939

<211> 80

<212> PRT

<213> Homo sapiens

<400> 939

Met Asp Gln Ala Leu Arg Gly Ser Pro Ser Glu Gly Phe Ser Thr Asp
 1 5 10 15

Pro Ser Pro Pro Gln Val Gly Arg Gln Ile Pro Ser Phe Pro Pro Trp
 20 25 30

Arg Arg Leu Val Leu Pro Lys Ala Ser Gly Cys Phe Leu Glu Arg Glu
 35 40 45

Trp Trp Leu Cys Val Phe Lys Leu Arg Thr Arg Pro Gly Ala Glu Ala
 50 55 60

His Ala Tyr Asn Ser Ser Ile Leu Gly Gly Arg Gly Lys Gly Ile Thr
 65 70 75 80

<210> 940

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 940

Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln
 1 5 10 15

Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val
 20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp

35

40

45

Ser Gly Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg
50 55 60

Ser Ile Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser
65 70 75 80

Phe Gly Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu
85 90 95

Phe Ala Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu
100 105 110

Trp Asp Pro Gln Lys Ala Glu Glu Lys Arg Asn Xaa Lys Glu Leu Ala
115 120 125

Gln Arg Gln
130

<210> 941

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala Ser
1 5 10 15

Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly Ala Ala Lys
20 25 30

Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly Cys Xaa Pro
35 40 45

Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala Met Asn Glu
50 55 60

Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu
65 70 75

<210> 942

<211> 40

<212> PRT

<213> Homo sapiens

<400> 942

Pro Pro Arg Arg Pro Ala Gln Leu Pro Leu Thr Pro Gly Ala Gly Gln
1 5 10 15

Gly Ala Gly Arg Asp Lys Ala Ala Ala Ile Arg Ala His Pro Gly Ala

20

25

30

Pro Pro Leu Asn His Leu Leu Pro
35 40

<210> 943
<211> 28
<212> PRT
<213> Homo sapiens

<400> 943
Ala Val Pro Gln Ala Gly Gly Lys Gln Val Phe Asp Leu Ser Pro Leu
1 5 10 15

Glu Leu Gly Tyr Val Arg Gly Met Cys Val Cys Val
20 25

<210> 944
<211> 207
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 944
Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln
1 5 10 15

Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val
20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp
35 40 45

Ser Gly Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg
50 55 60

Ser Ile Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser
65 70 75 80

Phe Gly Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu
85 90 95

Phe Ala Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu
100 105 110

Trp Asp Pro Gln Lys Ala Glu Glu Lys Arg Asn Xaa Lys Glu Leu Ala
115 120 125

Gln Arg Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser
130 135 140

Pro Ala Ser Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly
145 150 155 160

Ala Ala Lys Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly
165 170 175

Cys Xaa Pro Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala
180 185 190

Met Asn Glu Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu
195 200 205

<210> 945

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 945

Leu Leu Cys Pro Val Leu Asn Ser Gly Xaa Ser Trp Asn Phe Pro His
1 5 10 15

Pro Ser Gln Pro Glu Tyr Ser Phe His Gly Phe His Ser Thr Arg Leu
20 25 30

Trp Ile

<210> 946

<211> 28

<212> PRT

<213> Homo sapiens

<400> 946

Pro Ser Thr Pro Trp Phe Leu Phe Leu Leu Gly Leu Thr Cys Pro Phe
1 5 10 15

Ser Thr Ser His Pro Arg Trp Asp Ser Ile Pro Pro
20 25

<210> 947

<211> 227

<212> PRT

<213> Homo sapiens

<400> 947

Glu Leu Ser Ile Ser Ile Ser Asn Val Ala Leu Ala Asp Glu Gly Glu

1 5 10 15
 Tyr Thr Cys Ser Ile Phe Thr Met Pro Val Arg Thr Ala Lys Ser Leu
 20 25 30
 Val Thr Val Leu Gly Ile Pro Gln Lys Pro Ile Ile Thr Gly Tyr Lys
 35 40 45
 Ser Ser Leu Arg Glu Lys Asp Thr Ala Thr Leu Asn Cys Gln Ser Ser
 50 55 60
 Gly Ser Lys Pro Ala Ala Arg Leu Thr Trp Arg Lys Gly Asp Gln Glu
 65 70 75 80
 Leu His Gly Glu Pro Thr Arg Ile Gln Glu Asp Pro Asn Gly Lys Thr
 85 90 95
 Phe Thr Val Ser Ser Ser Val Thr Phe Gln Val Thr Arg Glu Asp Asp
 100 105 110
 Gly Ala Ser Ile Val Cys Ser Val Asn His Glu Ser Leu Lys Gly Ala
 115 120 125
 Asp Arg Ser Thr Ser Gln Arg Ile Glu Val Leu Tyr Thr Pro Thr Ala
 130 135 140
 Met Ile Arg Pro Asp Pro Pro His Pro Arg Glu Gly Gln Lys Leu Leu
 145 150 155 160
 Leu His Cys Glu Gly Arg Gly Asn Pro Val Pro Gln Gln Tyr Leu Trp
 165 170 175
 Glu Lys Glu Gly Ser Val Pro Pro Leu Lys Met Thr Gln Glu Ser Ala
 180 185 190
 Leu Ile Phe Pro Phe Leu Asn Lys Ser Asp Ser Gly Thr Tyr Gly Cys
 195 200 205
 Thr Ala Thr Ser Asn Met Gly Ser Tyr Lys Ala Tyr Tyr Thr Leu Asn
 210 215 220
 Val Asn Asp
 225

<210> 948

<211> 64

<212> PRT

<213> Homo sapiens

<400> 948

Glu Leu Ser Ile Ser Ile Ser Asn Val Ala Leu Ala Asp Glu Gly Glu
 1 5 10 15

Tyr Thr Cys Ser Ile Phe Thr Met Pro Val Arg Thr Ala Lys Ser Leu
 20 25 30

Val Thr Val Leu Gly Ile Pro Gln Lys Pro Ile Ile Thr Gly Tyr Lys

35

40

45

Ser Ser Leu Arg Glu Lys Asp Thr Ala Thr Leu Asn Cys Gln Ser Ser
 50 55 60

<210> 949

<211> 65

<212> PRT

<213> Homo sapiens

<400> 949

Cys Gln Ser Ser Gly Ser Lys Pro Ala Ala Arg Leu Thr Trp Arg Lys
 1 5 10 15

Gly Asp Gln Glu Leu His Gly Glu Pro Thr Arg Ile Gln Glu Asp Pro
 20 25 30

Asn Gly Lys Thr Phe Thr Val Ser Ser Ser Val Thr Phe Gln Val Thr
 35 40 45

Arg Glu Asp Asp Gly Ala Ser Ile Val Cys Ser Val Asn His Glu Ser
 50 55 60

Leu
 65

<210> 950

<211> 58

<212> PRT

<213> Homo sapiens

<400> 950

His Glu Ser Leu Lys Gly Ala Asp Arg Ser Thr Ser Gln Arg Ile Glu
 1 5 10 15

Val Leu Tyr Thr Pro Thr Ala Met Ile Arg Pro Asp Pro Pro His Pro
 20 25 30

Arg Glu Gly Gln Lys Leu Leu Leu His Cys Glu Gly Arg Gly Asn Pro
 35 40 45

Val Pro Gln Gln Tyr Leu Trp Glu Lys Glu
 50 55

<210> 951

<211> 52

<212> PRT

<213> Homo sapiens

<400> 951

Trp Glu Lys Glu Gly Ser Val Pro Pro Leu Lys Met Thr Gln Glu Ser
 1 5 10 15

Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly Asp Tyr Asn Arg
35 40 45

Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro Arg Gly Thr Gly
50 55 60

Arg Arg Gly Gln Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg
65 70 75 80

Ala Cys Pro Ser Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro
85 90 95

Cys Pro Ser Pro Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser
100 105 110

Trp Cys Gly Leu Pro Gly Tyr Thr Ser Ser Ser
115 120

<210> 955

<211> 22

<212> PRT

<213> Homo sapiens

<400> 955

Val His Gln Leu His Gln Ala Val Gln Gly Cys Ala Leu Gly Arg Pro
1 5 10 15

Gly Phe Pro Gly Gly Pro
20

<210> 956

<211> 42

<212> PRT

<213> Homo sapiens

<400> 956

Pro Thr His Ser Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly
1 5 10 15

Asp Tyr Asn Arg Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro
20 25 30

Arg Gly Thr Gly Arg Arg Gly Gln Leu His
35 40

<210> 957

<211> 55

<212> PRT

<213> Homo sapiens

<400> 957

Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg Ala Cys Pro Ser
1 5 10 15

Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro Cys Pro Ser Pro
20 25 30

Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser Trp Cys Gly Leu

35

40

45

Pro Gly Tyr Thr Ser Ser Ser
50 55

<210> 958

<211> 276

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 958

Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe
1 5 10 15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ser Ala Leu Pro Gly Ser Arg
20 25 30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Pro Arg Ser Gly Ser Ala
35 40 45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg Arg Ala Pro
50 55 60

Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln Arg Glu Val
65 70 75 80

Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala Gly Val Pro
85 90 95

Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly Thr Pro Gly
100 105 110

Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg
115 120 125

Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln Cys Ser Trp
130 135 140

Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu Cys Thr
145 150 155 160

Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
165 170 175

Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
180 185 190

Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
195 200 205

Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile
210 215 220

His Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly
225 230 235 240

Leu Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys
245 250 255

Gly Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu
260 265 270

Glu Leu Pro Lys
275

<210> 959

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 959

Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe
1 5 10 15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ser Ala Leu Pro Gly Ser Arg
20 25 30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Pro Arg Ser Gly Ser Ala
35 40 45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg
50 55 60

<210> 960

<211> 52

<212> PRT

<213> Homo sapiens

<400> 960

Arg Ala Pro Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln
1 5 10 15

Arg Glu Val Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala
20 25 30

Gly Val Pro Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly
35 40 45

Thr Pro Gly Ile
50

<210> 961

<211> 52
 <212> PRT
 <213> Homo sapiens

<400> 961
 Thr Pro Gly Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu
 1 5 10 15
 Cys Leu Arg Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln
 20 25 30
 Cys Ser Trp Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala
 35 40 45
 Glu Cys Thr Phe
 50

<210> 962
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 962
 Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
 1 5 10 15
 Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
 20 25 30
 Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
 35 40 45
 Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile
 50 55 60
 His Arg
 65

<210> 963
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 963
 Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly Leu
 1 5 10 15
 Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys Gly
 20 25 30
 Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu Glu
 35 40 45
 Leu Pro Lys
 50

<210> 964
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 964
 Thr Lys Lys Glu Asn Cys Arg Pro Ala Ser Leu Met Asn Ile Asp Thr
 1 5 10 15
 Lys Ile Leu Asn Lys Ile Leu Met Asn Gln
 20 25

<210> 965
 <211> 214
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (26)
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<220>
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 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 965
 Met Cys Asn Leu Pro Ile Lys Val Val Cys Arg Ala Asn Ala Glu Tyr
 1 5 10 15

Met Ser Pro Ser Gly Lys Val Pro Xaa Xaa His Val Gly Asn Gln Val
 20 25 30

Val Ser Glu Leu Gly Pro Ile Val Gln Phe Val Lys Ala Lys Gly His
 35 40 45

Ser Leu Ser Asp Gly Leu Glu Glu Val Gln Lys Ala Glu Met Lys Ala
 50 55 60

Tyr Met Glu Leu Val Asn Asn Met Leu Leu Thr Ala Glu Leu Tyr Leu
 65 70 75 80

Gln Trp Cys Asp Glu Ala Thr Val Gly Xaa Ile Thr His Xaa Arg Tyr
 85 90 95

Gly Ser Pro Tyr Pro Trp Pro Leu Xaa His Ile Leu Ala Tyr Gln Lys
 100 105 110

Gln Trp Glu Val Lys Arg Lys Xaa Lys Ala Ile Gly Trp Gly Lys Lys
 115 120 125

Thr Leu Asp Gln Val Leu Glu Asp Val Asp Gln Cys Cys Gln Ala Leu
 130 135 140

Ser Gln Arg Leu Gly Thr Gln Pro Tyr Phe Phe Asn Lys Gln Pro Thr
 145 150 155 160

Glu Leu Asp Ala Leu Val Phe Gly His Leu Tyr Thr Ile Leu Thr Thr
 165 170 175

Gln Leu Thr Asn Asp Glu Leu Ser Glu Lys Val Lys Asn Tyr Ser Asn
 180 185 190

Leu Leu Ala Phe Cys Arg Arg Ile Glu Gln His Tyr Phe Glu Asp Arg
 195 200 205

Gly Lys Gly Arg Leu Ser
 210

<210> 966

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 966

Met Cys Asn Leu Pro Ile Lys Val Val Cys Arg Ala Asn Ala Glu Tyr
 1 5 10 15

Met Ser Pro Ser Gly Lys Val Pro Xaa Xaa His Val Gly Asn Gln Val
 20 25 30

Val Ser Glu Leu Gly Pro Ile Val Gln Phe Val Lys

35

40

<210> 967
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 967
 Phe Val Lys Ala Lys Gly His Ser Leu Ser Asp Gly Leu Glu Glu Val
 1 5 10 15
 Gln Lys Ala Glu Met Lys Ala Tyr Met Glu Leu Val Asn Asn Met Leu
 20 25 30
 Leu Thr Ala Glu Leu Tyr Leu Gln Trp Cys Asp Glu
 35 40

<210> 968
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 968
 Leu Gln Trp Cys Asp Glu Ala Thr Val Gly Xaa Ile Thr His Xaa Arg
 1 5 10 15
 Tyr Gly Ser Pro Tyr Pro Trp Pro Leu Xaa His Ile Leu Ala Tyr Gln
 20 25 30
 Lys Gln Trp Glu Val Lys Arg Lys Xaa Lys Ala Ile Gly Trp Gly Lys
 35 40 45
 Lys Thr Leu
 50

<210> 969
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 969
 Asp Gln Val Leu Glu Asp Val Asp Gln Cys Cys Gln Ala Leu Ser Gln
 1 5 10 15
 Arg Leu Gly Thr Gln Pro Tyr Phe Phe Asn Lys Gln Pro Thr Glu Leu
 20 25 30
 Asp Ala Leu Val Phe Gly His Leu Tyr Thr Ile
 35 40

<210> 970
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 970
 Leu Thr Thr Gln Leu Thr Asn Asp Glu Leu Ser Glu Lys Val Lys Asn
 1 5 10 15
 Tyr Ser Asn Leu Leu Ala Phe Cys Arg Arg Ile Glu Gln His Tyr Phe
 20 25 30
 Glu Asp Arg Gly Lys Gly Arg Leu Ser
 35 40

<210> 971
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 971
 Met Xaa Xaa Xaa Asn Ser His Ile Thr Ile Phe Thr Leu Asn Val Asn
 1 5 10 15
 Gly Leu Asn Ala Pro Asn Glu Arg His Arg Leu Ala Asn Trp Ile Gln
 20 25 30

Ser Gln Asp Gln Val Cys Cys Ile Gln Glu Thr His Leu Thr Gly Arg
 35 40 45

Asp Thr His Arg Leu Lys Ile Lys Gly Trp Arg Lys Ile Tyr Gln Ala
 50 55 60

Asn Gly Lys Gln Lys Lys
 65 70

<210> 972

<211> 28

<212> PRT

<213> Homo sapiens

<400> 972

Phe Thr Leu Asn Val Asn Gly Leu Asn Ala Pro Asn Glu Arg His Arg
 1 5 10 15

Leu Ala Asn Trp Ile Gln Ser Gln Asp Gln Val Cys
 20 25

<210> 973

<211> 17

<212> PRT

<213> Homo sapiens

<400> 973

Thr His Leu Thr Gly Arg Asp Thr His Arg Leu Lys Ile Lys Gly Trp
 1 5 10 15

Arg

<210> 974

<211> 14

<212> PRT

<213> Homo sapiens

<400> 974

Gly Trp Arg Lys Ile Tyr Gln Ala Asn Gly Lys Gln Lys Lys
 1 5 10

<210> 975

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 975

Ile Tyr His Leu His Ser Trp Ile Phe Phe His Phe Lys Arg Ala Phe
 1 5 10 15

Cys Met Cys Phe Ile Thr Met Lys Val Ile His Ala His Cys Ser Lys
 20 25 30

Leu Arg Lys Cys Xaa Asn Ala Gln Ile Ser Val Phe Cys Thr Thr Leu
 35 40 45

Thr Ala Ser Tyr Pro Thr
 50

<210> 976

<211> 23

<212> PRT

<213> Homo sapiens

<400> 976

Ile Tyr His Leu His Ser Trp Ile Phe Phe His Phe Lys Arg Ala Phe
 1 5 10 15

Cys Met Cys Phe Ile Thr Met
 20

<210> 977

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 977

Lys Val Ile His Ala His Cys Ser Lys Leu Arg Lys Cys Xaa Asn Ala
 1 5 10 15

Gln Ile Ser Val Phe Cys Thr Thr Leu Thr Ala Ser Tyr Pro Thr
 20 25 30

<210> 978

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 978

Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu
 1 5 10 15

Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser Gln Ala
 20 25 30

Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val Arg Leu
 35 40 45

Leu Trp Asp Val Leu Thr Pro Asp Pro Asn
 50 55

<210> 979

<211> 54

<212> PRT

<213> Homo sapiens

<400> 979

Gln Arg Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu
 1 5 10 15

Gly Lys Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser
 20 25 30

Ala Phe Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His
 35 40 45

Arg Arg Ala Gln Met Pro
 50

<210> 980

<211> 23

<212> PRT

<213> Homo sapiens

<400> 980

Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu
 1 5 10 15

Pro Gly Leu Val Leu Ala Ser
 20

<210> 981

<211> 191

<212> PRT

<213> Homo sapiens

<400> 981

Glu Asp Asp Gly Phe Asn Arg Ser Ile His Glu Val Ile Leu Lys Asn
 1 5 10 15

Ile Thr Trp Tyr Ser Glu Arg Val Leu Thr Glu Ile Ser Leu Gly Ser
 20 25 30

Leu Leu Ile Leu Val Val Ile Arg Thr Ile Gln Tyr Asn Met Thr Arg
 35 40 45

Thr Arg Asp Lys Tyr Leu His Thr Asn Cys Leu Ala Ala Leu Ala Asn

50 55 60
 Met Ser Ala Gln Phe Arg Ser Leu His Gln Tyr Ala Ala Gln Arg Ile
 65 70 75 80
 Ile Ser Leu Phe Ser Leu Leu Ser Lys Lys His Asn Lys Val Leu Glu
 85 90 95
 Gln Ala Thr Gln Ser Leu Arg Gly Ser Leu Ser Ser Asn Asp Val Pro
 100 105 110
 Leu Pro Asp Tyr Ala Gln Asp Leu Asn Val Ile Glu Glu Val Ile Arg
 115 120 125
 Met Met Leu Glu Ile Ile Asn Ser Cys Leu Thr Asn Ser Leu His His
 130 135 140
 Asn Pro Asn Leu Val Tyr Ala Leu Leu Tyr Lys Arg Asp Leu Phe Glu
 145 150 155 160
 Gln Phe Arg Thr His Pro Ser Phe Gln Asp Ile Met Gln Asn Ile Asp
 165 170 175
 Leu Val Ile Ser Phe Phe Ser Ser Arg Leu Leu Gln Ala Gly Ser
 180 185 190

 <210> 982
 <211> 38
 <212> PRT
 <213> Homo sapiens

 <400> 982
 Glu Asp Asp Gly Phe Asn Arg Ser Ile His Glu Val Ile Leu Lys Asn
 1 5 10 15
 Ile Thr Trp Tyr Ser Glu Arg Val Leu Thr Glu Ile Ser Leu Gly Ser
 20 25 30

 Leu Leu Ile Leu Val Val
 35

 <210> 983
 <211> 53
 <212> PRT
 <213> Homo sapiens

 <400> 983
 Arg Thr Ile Gln Tyr Asn Met Thr Arg Thr Arg Asp Lys Tyr Leu His
 1 5 10 15
 Thr Asn Cys Leu Ala Ala Leu Ala Asn Met Ser Ala Gln Phe Arg Ser
 20 25 30

 Leu His Gln Tyr Ala Ala Gln Arg Ile Ile Ser Leu Phe Ser Leu Leu
 35 40 45

Ser Lys Lys His Asn
50

<210> 984
<211> 56
<212> PRT
<213> Homo sapiens

<400> 984
Ser Cys Leu Thr Asn Ser Leu His His Asn Pro Asn Leu Val Tyr Ala
1 5 10 15
Leu Leu Tyr Lys Arg Asp Leu Phe Glu Gln Phe Arg Thr His Pro Ser
20 25 30
Phe Gln Asp Ile Met Gln Asn Ile Asp Leu Val Ile Ser Phe Phe Ser
35 40 45
Ser Arg Leu Leu Gln Ala Gly Ser
50 55

<210> 985
<211> 31
<212> PRT
<213> Homo sapiens

<400> 985
Lys Lys His Asn Lys Val Leu Glu Gln Ala Thr Gln Ser Leu Arg Gly
1 5 10 15
Ser Leu Ser Ser Asn Asp Val Pro Leu Pro Asp Tyr Ala Gln Asp
20 25 30

<210> 986
<211> 15
<212> PRT
<213> Homo sapiens

<400> 986
Thr Ile Ser Asn Ser Ser Phe Ile Ser Gly Tyr Asn Ala Lys Tyr
1 5 10 15

<210> 987
<211> 31
<212> PRT
<213> Homo sapiens

<400> 987
Leu Lys Val Ala Ala Ser Trp Glu Leu Ser Cys Gln Trp Asn Gly Ser
1 5 10 15
Trp Lys Ser Leu Ser Lys Ala Ser Leu Arg Cys Pro Lys Thr Asp
20 25 30

<210> 988
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 988
 Met Ala Asp Ile Gln Thr Glu Arg Ala Tyr Gln Lys Gln Pro Thr Ile
 1 5 10 15

 Phe Gln Asn Lys Lys Arg Val Leu Leu Gly Glu Thr Gly Lys Glu Lys
 20 25 30

 Leu Pro Arg Val Thr Asn Lys Asn Ile Gly Leu Gly Phe Lys Asp Thr
 35 40 45

 Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro Phe
 50 55 60

 Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val Thr
 65 70 75 80

 Gln Asp Glu Asp Ala Glu Asp His Cys His Pro Pro Arg Leu Ser Ala
 85 90 95

 Leu His Pro Gln Val Gln Pro Leu Arg Glu Ala Pro Gln Glu His Val
 100 105 110

 Cys Thr Pro Val Pro Leu Leu Gln Gly Arg Pro Asp Arg
 115 120 125

<210> 989
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 989
 Met Lys Met Gln Arg Thr Ile Val Ile Arg Arg Asp Tyr Leu His Tyr
 1 5 10 15

 Ile Arg Lys Tyr Asn Arg Phe Glu Lys Arg His Lys Asn Met Ser Val
 20 25 30

 His Leu Ser Pro Cys Phe Arg Asp Val Gln Ile Gly Asp Ile Val Thr
 35 40 45

 Val Gly Glu Cys Arg Pro Leu Ser Lys Thr Val Arg Phe Asn Val Leu
 50 55 60

 Lys Val Thr Lys Ala Ala Gly Thr Lys Lys Gln Phe Gln Lys Phe
 65 70 75

<210> 990
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 990

Met Ala Asp Ile Gln Thr Glu Arg Ala Tyr Gln Lys Gln Pro Thr Ile
 1 5 10 15

Phe Gln Asn Lys Lys Arg Val Leu Leu Gly Glu Thr Gly Lys
 20 25 30

<210> 991

<211> 58

<212> PRT

<213> Homo sapiens

<400> 991

Lys Leu Pro Arg Val Thr Asn Lys Asn Ile Gly Leu Gly Phe Lys Asp
 1 5 10 15

Thr Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro
 20 25 30

Phe Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val
 35 40 45

Thr Gln Asp Glu Asp Ala Glu Asp His Cys
 50 55

<210> 992

<211> 38

<212> PRT

<213> Homo sapiens

<400> 992

His Cys His Pro Pro Arg Leu Ser Ala Leu His Pro Gln Val Gln Pro
 1 5 10 15

Leu Arg Glu Ala Pro Gln Glu His Val Cys Thr Pro Val Pro Leu Leu
 20 25 30

Gln Gly Arg Pro Asp Arg
 35

<210> 993

<211> 36

<212> PRT

<213> Homo sapiens

<400> 993

Met Lys Met Gln Arg Thr Ile Val Ile Arg Arg Asp Tyr Leu His Tyr
 1 5 10 15

Ile Arg Lys Tyr Asn Arg Phe Glu Lys Arg His Lys Asn Met Ser Val
 20 25 30

His Leu Ser Pro
 35

<210> 994
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 994
 Cys Phe Arg Asp Val Gln Ile Gly Asp Ile Val Thr Val Gly Glu Cys
 1 5 10 15

Arg Pro Leu Ser Lys Thr Val Arg Phe Asn Val Leu Lys Val Thr Lys
 20 25 30

Ala Ala Gly Thr Lys Lys Gln Phe Gln Lys Phe
 35 40

<210> 995
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 995
 Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro Phe
 1 5 10 15

Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val Thr
 20 25 30

Gln

<210> 996
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 996
 Ser Arg Gly Thr Gly Val Gln Thr Cys Ser Cys Gly Ala Ser Arg Ser
 1 5 10 15

Gly Cys Thr Cys Gly Cys Ser Ala Asp Ser Leu Gly Gly
 20 25

<210> 997
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 997
 Gln Trp Ser Ser Ala Ser Ser Ser Trp Val Thr Thr Pro Glu Arg Ile
 1 5 10 15

Arg Pro Arg Met Asp Thr Leu Pro Val Lys Gly His Phe Leu Ser Met
 20 25 30

<210> 998
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 998
 Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15
 Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30
 Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln Arg Ala Lys
 35 40 45
 Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
 50 55 60

<210> 999
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 999
 Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys His
 1 5 10 15
 Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg Asp
 20 25 30
 Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val Phe Leu Leu
 35 40 45
 Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala Xaa Asp Thr
 50 55 60
 Val His Phe
 65

<210> 1000
 <211> 32

<212> PRT

<213> Homo sapiens

<400> 1000

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
20 25 30

<210> 1001

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1001

Val Tyr Arg Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln
1 5 10 15

Arg Ala Lys Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
20 25 30

<210> 1002

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002

Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys His
1 5 10 15

Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg Asp
20 25 30

Met

<210> 1003

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003

Arg Arg Asp Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val
 1 5 10 15

Phe Leu Leu Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala
 20 25 30

Xaa Asp Thr Val His Phe
 35

<210> 1004

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1004

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30

Leu Ile Cys Lys Gly
 35

<210> 1005

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1005

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30

Leu Ile Cys Lys Gly
 35

<210> 1006

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1006

Arg Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln Arg Ala
 1 5 10 15

Lys Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
 20 25

<210> 1007

<211> 69

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1007

Gly Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys
 1 5 10 15

His Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg
 20 25 30

Asp Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val Phe Leu
 35 40 45

Leu Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala Xaa Asp
 50 55 60

Thr Val His Phe Leu
 65

<210> 1008
 <211> 364
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (259)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (312)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008

Met Ser Leu His Gly Lys Arg Lys Glu Ile Tyr Lys Tyr Glu Ala Pro
 1 5 10 15

Trp Thr Val Tyr Ala Met Asn Trp Ser Val Arg Pro Asp Lys Arg Phe
 20 25 30

Arg Leu Ala Leu Gly Ser Phe Val Glu Glu Tyr Asn Asn Lys Val Gln
 35 40 45

Leu Val Gly Leu Asp Glu Glu Ser Ser Glu Phe Ile Cys Arg Asn Thr
 50 55 60

Phe Asp His Pro Tyr Pro Thr Thr Lys Leu Met Trp Ile Pro Asp Thr
 65 70 75 80
 Lys Gly Val Tyr Pro Asp Leu Leu Ala Thr Ser Gly Asp Tyr Leu Arg
 85 90 95
 Val Trp Arg Val Gly Glu Thr Glu Thr Arg Leu Glu Cys Leu Leu Asn
 100 105 110
 Asn Asn Lys Asn Ser Asp Phe Cys Ala Pro Leu Thr Ser Phe Asp Trp
 115 120 125
 Asn Glu Val Asp Pro Tyr Leu Leu Gly Thr Ser Ser Ile Asp Thr Thr
 130 135 140
 Cys Thr Ile Trp Gly Leu Glu Thr Gly Gln Val Leu Gly Arg Val Asn
 145 150 155 160
 Leu Val Ser Gly His Val Lys Thr Gln Leu Ile Ala His Asp Lys Glu
 165 170 175
 Val Tyr Asp Ile Ala Phe Ser Arg Ala Gly Gly Gly Arg Asp Met Phe
 180 185 190
 Ala Ser Val Gly Ala Asp Gly Ser Val Arg Met Phe Asp Leu Arg His
 195 200 205
 Leu Glu His Ser Thr Ile Ile Tyr Glu Asp Pro Gln His His Pro Leu
 210 215 220
 Leu Arg Leu Cys Trp Asn Lys Gln Asp Pro Asn Tyr Leu Ala Thr Met
 225 230 235 240
 Ala Met Asp Gly Met Glu Val Val Ile Leu Asp Val Arg Val Pro Ala
 245 250 255
 His Leu Xaa Pro Gly Thr Thr Ile Glu His Val Ser Met Ala Leu Leu
 260 265 270
 Gly Pro His Ile His Pro Ala Thr Ser Ala Leu Gln Arg Met Thr Thr
 275 280 285
 Arg Leu Ser Ser Gly Thr Ser Ser Lys Cys Pro Glu Pro Leu Arg Thr
 290 295 300
 Leu Ser Trp Pro Thr Gln Leu Xaa Gly Glu Ile Asn Asn Val Gln Trp
 305 310 315 320
 Ala Ser Thr Gln Pro Glu Leu Ser Pro Ser Ala Thr Thr Thr Ala Trp
 325 330 335
 Arg Tyr Ser Glu Cys Ser Val Gly Gly Ala Val Pro Thr Arg Gln Gly
 340 345 350
 Leu Leu Tyr Phe Leu Pro Leu Pro His Pro Gln Ser
 355 360

<210> 1009
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 1009

Met	Ser	Leu	His	Gly	Lys	Arg	Lys	Glu	Ile	Tyr	Lys	Tyr	Glu	Ala	Pro
1				5					10					15	
Trp	Thr	Val	Tyr	Ala	Met	Asn	Trp	Ser	Val	Arg	Pro	Asp	Lys	Arg	Phe
		20						25					30		
Arg	Leu	Ala	Leu	Gly	Ser	Phe	Val	Glu	Glu	Tyr	Asn	Asn	Lys	Val	Gln
		35					40					45			
Leu	Val	Gly	Leu	Asp	Glu	Glu	Ser	Ser	Glu	Phe	Ile	Cys	Arg	Asn	Thr
	50					55					60				
Phe	Asp	His	Pro	Tyr	Pro	Thr	Thr	Lys	Leu	Met	Trp	Ile	Pro	Asp	Thr
65					70					75					80
Lys	Gly	Val	Tyr	Pro	Asp	Leu	Leu	Ala	Thr	Ser	Gly	Asp	Tyr	Leu	Arg
				85					90					95	
Val	Trp	Arg	Val	Gly	Glu	Thr	Glu	Thr	Arg	Leu	Glu	Cys	Leu	Leu	Asn
			100					105					110		
Asn	Asn	Lys	Asn	Ser	Asp	Phe	Cys	Ala	Pro	Leu	Thr	Ser	Phe	Asp	Trp
		115					120					125			
Asn	Glu	Val	Asp	Pro	Tyr	Leu	Leu								
	130						135								

<210> 1010
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1010

Ser	Phe	Asp	Trp	Asn	Glu	Val	Asp	Pro	Tyr	Leu	Leu	Gly	Thr	Ser	Ser
1				5					10					15	
Ile	Asp	Thr	Thr	Cys	Thr	Ile	Trp	Gly	Leu	Glu	Thr	Gly	Gln	Val	Leu
		20						25					30		
Gly	Arg	Val	Asn	Leu	Val	Ser	Gly	His	Val	Lys	Thr	Gln	Leu	Ile	Ala
		35					40					45			
His	Asp	Lys	Glu	Val	Tyr	Asp	Ile	Ala	Phe	Ser	Arg	Ala	Gly	Gly	Gly
	50					55					60				
Arg	Asp	Met	Phe	Ala	Ser	Val	Gly	Ala	Asp	Gly	Ser	Val	Arg	Met	Phe

65		70		75		80									
Asp	Leu	Arg	His	Leu	Glu	His	Ser	Thr	Ile	Ile	Tyr	Glu	Asp	Pro	Gln
				85					90					95	
His	His	Pro	Leu	Leu	Arg	Leu	Cys	Trp	Asn	Lys	Gln	Asp	Pro	Asn	Tyr
			100					105					110		
Leu	Ala	Thr	Met	Ala	Met	Asp	Gly	Met	Glu	Val	Val	Ile	Leu	Asp	Val
			115				120					125			
Arg	Val	Pro	Ala	His	Leu	Xaa	Pro	Gly	Thr	Thr	Ile				
			130			135					140				

<210> 1011

<211> 170

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1011

Val	Gly	Ala	Asp	Gly	Ser	Val	Arg	Met	Phe	Asp	Leu	Arg	His	Leu	Glu
1				5					10					15	

His	Ser	Thr	Ile	Ile	Tyr	Glu	Asp	Pro	Gln	His	His	Pro	Leu	Leu	Arg
			20					25					30		

Leu	Cys	Trp	Asn	Lys	Gln	Asp	Pro	Asn	Tyr	Leu	Ala	Thr	Met	Ala	Met
			35				40					45			

Asp	Gly	Met	Glu	Val	Val	Ile	Leu	Asp	Val	Arg	Val	Pro	Ala	His	Leu
			50			55					60				

Xaa	Pro	Gly	Thr	Thr	Ile	Glu	His	Val	Ser	Met	Ala	Leu	Leu	Gly	Pro
65					70					75				80	

His	Ile	His	Pro	Ala	Thr	Ser	Ala	Leu	Gln	Arg	Met	Thr	Thr	Arg	Leu
				85					90					95	

Ser	Ser	Gly	Thr	Ser	Ser	Lys	Cys	Pro	Glu	Pro	Leu	Arg	Thr	Leu	Ser
			100					105					110		

Trp	Pro	Thr	Gln	Leu	Xaa	Gly	Glu	Ile	Asn	Asn	Val	Gln	Trp	Ala	Ser
			115				120					125			

Thr	Gln	Pro	Glu	Leu	Ser	Pro	Ser	Ala	Thr	Thr	Thr	Ala	Trp	Arg	Tyr
			130			135					140				

Ser Glu Cys Ser Val Gly Gly Ala Val Pro Thr Arg Gln Gly Leu Leu
 145 150 155 160

Tyr Phe Leu Pro Leu Pro His Pro Gln Ser
 165 170

<210> 1012

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1012

Leu Tyr Ala Thr Ala Thr Val Ile Ser Ser Pro Ser Thr Glu Xaa Leu
 1 5 10 15

Ser Gln Asp Gln Gly Asp Arg Ala Ser Leu Asp Ala Ala Asp Ser Gly
 20 25 30

Arg Gly Ser Trp Thr Ser Cys Ser Ser Gly Ser His Asp Asn Ile Gln
 35 40 45

Thr Ile Gln His Gln Arg Ser Trp Glu Thr Leu Pro Phe Gly His Thr
 50 55 60

His Phe Asp Tyr Ser Gly Asp Pro Ala Gly Leu Trp Ala Ser Ser Ser
 65 70 75 80

His Met Asp Gln Ile Met Phe Ser Asp His Ser Thr Lys Tyr Asn Arg
 85 90 95

Gln Asn Gln Ser Arg Glu Ser Leu Glu Gln Ala Gln Ser Arg Ala Ser
 100 105 110

Trp Ala Ser Ser Thr Gly Tyr Trp Gly Glu Asp Ser Glu Gly Asp Thr
 115 120 125

Gly Thr Ile Lys Arg Arg Gly Gly Lys Asp Val Ser Ile Glu Ala Glu
 130 135 140

Ser Ser Ser Leu Thr Ser Val Thr Thr Glu Glu Thr Lys Pro Val Pro
 145 150 155 160

Met Pro Ala His Ile Ala Val Ala Ser Ser Thr Thr Lys Gly Leu Ile
 165 170 175

Ala Arg Lys Glu Gly Arg Tyr Arg Glu Pro Pro Pro Thr Pro Pro Gly
 180 185 190

Tyr Ile Gly Ile Pro Ile Thr Asp Phe Pro Glu Gly His Ser His Pro
195 200 205

Ala Arg Lys Pro Pro Asp Tyr Asn Val Ala Leu Gln Arg Ser Arg Met
210 215 220

Val Ala Arg Ser Ser Asp Thr Ala Gly Pro Ser Ser Val Gln Gln Pro
225 230 235 240

His Gly His Pro Thr Ser Ser Arg Pro Val Asn Lys Pro Gln Trp His
245 250 255

Lys Xaa Asn Glu Ser Asp Pro Arg Leu Ala Pro Tyr Gln Ser Gln Gly
260 265 270

Phe Ser Thr Glu Glu Asp Glu Asp Glu Gln Val Ser Ala Val
275 280 285

<210> 1013

<211> 42

<212> PRT

<213> Homo sapiens

<400> 1013

His Met Asp Gln Ile Met Phe Ser Asp His Ser Thr Lys Tyr Asn Arg
1 5 10 15

Gln Asn Gln Ser Arg Glu Ser Leu Glu Gln Ala Gln Ser Arg Ala Ser
20 25 30

Trp Ala Ser Ser Thr Gly Tyr Trp Gly Glu
35 40

<210> 1014

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1014

Ser Val Thr Thr Glu Glu Thr Lys Pro Val Pro Met Pro Ala His Ile
1 5 10 15

Ala Val Ala Ser Ser Thr Thr Lys Gly Leu Ile Ala Arg Lys Glu Gly
20 25 30

Arg Tyr Arg Glu Pro Pro Pro Thr Pro Pro Gly Tyr Ile Gly Ile Pro
35 40 45

Ile Thr Asp
50

<210> 1015

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1015

Val Ala Leu Gln Arg Ser Arg Met Val Ala Arg Ser Ser Asp Thr Ala
1 5 10 15

Gly Pro Ser Ser Val Gln Gln Pro His Gly His Pro Thr Ser Ser Arg
20 25 30

Pro Val Asn Lys Pro Gln Trp His Lys Xaa Asn Glu Ser Asp Pro Arg
35 40 45

Leu Ala Pro Tyr Gln Ser Gln Gly Phe
50 55

<210> 1016

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1016

Cys Leu Leu Phe Val Phe Val Ser Leu Gly Met Arg Cys Leu Phe Trp
1 5 10 15

Thr Ile Val Tyr Asn Val Leu Tyr Leu Lys His Lys Cys Asn Thr Val
20 25 30

Leu Leu Cys Tyr His Leu Cys Ser Ile
35 40

<210> 1017

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1017

Ala Cys Ser Lys Leu Ile Pro Ala Phe Glu Met Val Met Arg Ala Lys
1 5 10 15

Asp Asn Val Tyr His Leu Asp Cys Phe Ala Cys Gln Leu Cys Asn Gln
20 25 30

Arg Xaa Cys Val Gly Asp Lys Phe Phe Leu Lys Asn Asn Xaa Xaa Leu
35 40 45

Cys Gln Thr Asp Tyr Glu Glu Gly Leu Met Lys Glu Gly Tyr Ala Pro
50 55 60

Xaa Val Arg
65

<210> 1018

<211> 45

<212> PRT

<213> Homo sapiens

<400> 1018

Ser Ala Leu Ser Glu Pro Gly Ala Pro Asp Arg Arg Arg Pro Cys Pro
1 5 10 15

Glu Ser Val Pro Arg Arg Pro Asp Asp Glu Gln Trp Pro Pro Pro Thr
20 25 30

Ala Leu Cys Leu Asp Val Ala Pro Leu Pro Pro Ser Ser
35 40 45

<210> 1019

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1019

Pro Val Gly Tyr Leu Asp Lys Gln Val Pro Asp Thr Ser Val Gln Glu
1 5 10 15

Thr Asp Arg Ile Leu Val Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly
20 25 30

Pro Leu Lys Gln Ile Pro Met Asn Leu Phe Ile
35 40

<210> 1020

<211> 214

<212> PRT

<213> Homo sapiens

<400> 1020

Ala	His	Ala	Ser	Glu	Ser	Gly	Glu	Arg	Trp	Trp	Ala	Cys	Cys	Gly	Val
1				5					10					15	
Arg	Phe	Gly	Leu	Arg	Ser	Ile	Glu	Ala	Ile	Gly	Arg	Ser	Cys	Cys	His
			20					25					30		
Asp	Gly	Pro	Gly	Gly	Leu	Val	Ala	Asn	Arg	Gly	Arg	Arg	Phe	Lys	Trp
		35					40					45			
Ala	Ile	Glu	Leu	Ser	Gly	Pro	Gly	Gly	Gly	Ser	Arg	Gly	Arg	Ser	Asp
	50					55					60				
Arg	Gly	Ser	Gly	Gln	Gly	Asp	Ser	Leu	Tyr	Pro	Val	Gly	Tyr	Leu	Asp
	65				70					75				80	
Lys	Gln	Val	Pro	Asp	Thr	Ser	Val	Gln	Glu	Thr	Asp	Arg	Ile	Leu	Val
				85					90					95	
Glu	Lys	Arg	Cys	Trp	Asp	Ile	Ala	Leu	Gly	Pro	Leu	Lys	Gln	Ile	Pro
			100					105					110		
Met	Asn	Leu	Phe	Ile	Met	Tyr	Met	Ala	Gly	Asn	Thr	Ile	Ser	Ile	Phe
		115					120					125			
Pro	Thr	Met	Met	Val	Cys	Met	Met	Ala	Trp	Arg	Pro	Ile	Gln	Ala	Leu
	130					135					140				
Met	Ala	Ile	Ser	Ala	Thr	Phe	Lys	Met	Leu	Glu	Ser	Ser	Ser	Gln	Lys
	145				150					155				160	
Phe	Leu	Gln	Gly	Leu	Val	Tyr	Leu	Ile	Gly	Asn	Leu	Met	Gly	Leu	Ala
			165					170						175	
Leu	Ala	Val	Tyr	Lys	Cys	Gln	Ser	Met	Gly	Leu	Leu	Pro	Thr	His	Ala
		180						185					190		
Ser	Asp	Trp	Leu	Ala	Phe	Ile	Glu	Pro	Pro	Glu	Arg	Met	Glu	Phe	Ser
		195					200					205			
Gly	Gly	Gly	Leu	Leu	Leu										
	210														

<210> 1021

<211> 46

<212> PRT

<213> Homo sapiens

<400> 1021

Ala	Thr	Phe	Lys	Met	Leu	Glu	Ser	Ser	Ser	Gln	Lys	Phe	Leu	Gln	Gly
1				5					10					15	
Leu	Val	Tyr	Leu	Ile	Gly	Asn	Leu	Met	Gly	Leu	Ala	Leu	Ala	Val	Tyr
		20					25						30		
Lys	Cys	Gln	Ser	Met	Gly	Leu	Leu	Pro	Thr	His	Ala	Ser	Asp		
		35				40						45			

<210> 1022
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 1022
 Pro Val Gly Tyr Leu Asp Lys Gln Val Pro Asp Thr Ser Val Gln Glu
 1 5 10 15
 Thr Asp Arg Ile Leu Val Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly
 20 25 30
 Pro Leu Lys Gln Ile Pro Met Asn Leu Phe Ile
 35 40

<210> 1023
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1023
 Pro Thr Thr Lys Leu Asp Ile Met Glu Lys Lys Lys His Ile Gln Ile
 1 5 10 15
 Arg Phe Pro Ser Phe Tyr His Lys Leu Val Asp Ser Gly Arg Met Arg
 20 25 30
 Ser Lys Arg Glu Thr Arg Arg Glu Asp Ser Asp Thr Lys His Asn Leu
 35 40 45

<210> 1024
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1024
 Phe Leu Trp Lys Ser Leu Leu Leu Arg Tyr Phe Lys Met Arg Gln His
 1 5 10 15

<210> 1025
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 1025
 Tyr His Tyr Leu Leu Ser Ser Phe Leu Ser Tyr Ser Ser Ser Ser Gln
 1 5 10 15

Asn Leu Pro Val Tyr Gly Arg Lys Met Gly Thr Leu Phe Glu Cys Val
 20 25 30

Phe Phe Phe Pro
 35

<210> 1026

<211> 167

<212> PRT

<213> Homo sapiens

<400> 1026

Thr Glu His Ile Ile Ala Val Met Ile Thr Glu Leu Arg Gly Lys Asp
 1 5 10 15

Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val Gln Met Thr Ile Ala
 20 25 30

Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser Arg Gly Ser Leu Val
 35 40 45

Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp
 50 55 60

Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr Thr Asn Ala Arg Asp
 65 70 75 80

Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys Lys Ala Ile Ser Lys
 85 90 95

Leu Thr Thr Arg Thr Val Lys Lys Gly Asp Lys Glu Thr Asp Pro Asp
 100 105 110

Phe Asp His Cys Ala Val Cys Ile Glu Ser Tyr Lys Gln Asn Asp Val
 115 120 125

Val Arg Ile Leu Pro Cys Lys His Val Phe His Lys Ser Cys Val Asp
 130 135 140

Pro Trp Leu Ser Glu His Cys Thr Cys Pro Met Cys Lys Leu Asn Ile
 145 150 155 160

Leu Lys Ala Leu Gly Ile Val
 165

<210> 1027

<211> 276

<212> PRT

<213> Homo sapiens

<400> 1027

Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr Glu
 1 5 10 15

Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val

Thr Glu His Ile Ile Ala Val Met Ile Thr Glu Leu Arg Gly Lys Asp

1 5 10 15
 Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val Gln Met Thr Ile Ala
 20 25 30
 Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser Arg Gly Ser Leu Val
 35 40 45
 Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp
 50 55 60
 Leu Ile Phe Tyr Phe
 65

<210> 1029

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1029

Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp Leu Ile
 1 5 10 15

Phe Tyr Phe Ile Gln Lys Ile Arg Tyr Thr Asn Ala Arg Asp Arg Asn
 20 25 30

Gln Arg Arg Leu Gly Asp Ala Ala Lys Lys Ala Ile Ser Lys Leu Thr
 35 40 45

Thr Arg Thr Val Lys Lys Gly Asp Lys Glu
 50 55

<210> 1030

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1030

Val Lys Lys Gly Asp Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala
 1 5 10 15

Val Cys Ile Glu Ser Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro
 20 25 30

Cys Lys His Val Phe His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu
 35 40 45

His Cys Thr Cys Pro Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly
 50 55 60

Ile Val
 65

<210> 1031

<211> 106

<212> PRT

<213> Homo sapiens

<400> 1031

Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr Glu
 1 5 10 15

Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val
 20 25 30

Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser
 35 40 45

Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile
 50 55 60

Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr
 65 70 75 80

Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys
 85 90 95

Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr
 100 105

<210> 1032

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1032

Ala Ala Lys Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys
 1 5 10 15

Gly Asp Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile
 20 25 30

Glu Ser Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His
 35 40 45

Val Phe His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr
 50 55 60

Cys Pro Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro
 65 70 75 80

Asn Leu Pro Cys

<210> 1033

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1033

Thr Gln Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp

1	5	10	15
Asn Ser Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu			
20	25	30	
Pro Gln Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala			
35	40	45	
Val Thr Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala			
50	55	60	
Leu Thr Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala			
65	70	75	80
Asn Glu Val Glu Trp Phe			
85			

<210> 1034

<211> 341

<212> PRT

<213> Homo sapiens

<400> 1034

Pro Leu His Gly Val Ala Asp His Leu Gly Cys Asp Pro Gln Thr Arg
1 5 10 15

Phe Phe Val Pro Pro Asn Ile Lys Gln Trp Ile Ala Leu Leu Gln Arg
20 25 30

Gly Asn Cys Thr Phe Lys Glu Lys Ile Ser Arg Ala Ala Phe His Asn
35 40 45

Ala Val Ala Val Val Ile Tyr Asn Asn Lys Ser Lys Glu Glu Pro Val
50 55 60

Thr Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr
65 70 75 80

Glu Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser
85 90 95

Val Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe
100 105 110

Ser Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met
115 120 125

Ile Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg
130 135 140

Tyr Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala
145 150 155 160

Lys Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys Gly Asp
165 170 175

Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile Glu Ser

180										185										190									
Tyr	Lys	Gln	Asn	Asp	Val	Val	Arg	Ile	Leu	Pro	Cys	Lys	His	Val	Phe														
		195						200					205																
His	Lys	Ser	Cys	Val	Asp	Pro	Trp	Leu	Ser	Glu	His	Cys	Thr	Cys	Pro														
		210				215					220																		
Met	Cys	Lys	Leu	Asn	Ile	Leu	Lys	Ala	Leu	Gly	Ile	Val	Pro	Asn	Leu														
		225			230					235					240														
Pro	Cys	Thr	Asp	Asn	Val	Ala	Phe	Asp	Met	Glu	Arg	Leu	Thr	Arg	Thr														
				245					250					255															
Gln	Ala	Val	Asn	Arg	Arg	Ser	Ala	Leu	Gly	Asp	Leu	Ala	Gly	Asp	Asn														
			260					265					270																
Ser	Leu	Gly	Leu	Glu	Pro	Leu	Arg	Thr	Ser	Gly	Ile	Ser	Pro	Leu	Pro														
		275					280					285																	
Gln	Asp	Gly	Glu	Leu	Thr	Pro	Arg	Thr	Gly	Glu	Ile	Asn	Ile	Ala	Val														
		290				295					300																		
Thr	Lys	Glu	Trp	Phe	Ile	Ile	Ala	Ser	Phe	Gly	Leu	Leu	Ser	Ala	Leu														
					310					315					320														
Thr	Leu	Cys	Tyr	Met	Ile	Ile	Arg	Ala	Thr	Ala	Ser	Leu	Asn	Ala	Asn														
				325					330					335															
Glu	Val	Glu	Trp	Phe																									
				340																									

<210> 1035

<211> 60

<212> PRT

<213> Homo sapiens

<400> 1035

His	Gly	Val	Ala	Asp	His	Leu	Gly	Cys	Asp	Pro	Gln	Thr	Arg	Phe	Phe
1					5					10				15	

Val	Pro	Pro	Asn	Ile	Lys	Gln	Trp	Ile	Ala	Leu	Leu	Gln	Arg	Gly	Asn
			20					25					30		

Cys	Thr	Phe	Lys	Glu	Lys	Ile	Ser	Arg	Ala	Ala	Phe	His	Asn	Ala	Val
		35					40					45			

Ala	Val	Val	Ile	Tyr	Asn	Asn	Lys	Ser	Lys	Glu	Glu
	50					55					60

<210> 1036

<211> 314

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1036

Met	Ser	Gly	Gln	Gly	Leu	Ala	Gly	Phe	Phe	Ala	Ser	Val	Ala	Met	Ile	1	5	10	15
Cys	Ala	Ile	Ala	Ser	Gly	Ser	Glu	Leu	Ser	Glu	Ser	Ala	Phe	Gly	Tyr	20	25	30	
Phe	Ile	Thr	Ala	Cys	Ala	Val	Ile	Ile	Leu	Thr	Ile	Ile	Cys	Tyr	Leu	35	40	45	
Gly	Leu	Pro	Arg	Leu	Glu	Phe	Tyr	Arg	Tyr	Tyr	Gln	Gln	Leu	Lys	Leu	50	55	60	
Glu	Gly	Pro	Gly	Glu	Gln	Glu	Thr	Lys	Leu	Asp	Leu	Ile	Ser	Lys	Gly	65	70	75	80
Glu	Glu	Pro	Arg	Ala	Gly	Lys	Glu	Glu	Ser	Gly	Val	Ser	Val	Ser	Asn	85	90	95	
Ser	Gln	Pro	Thr	Asn	Glu	Ser	His	Ser	Ile	Lys	Ala	Ile	Leu	Lys	Asn	100	105	110	
Ile	Ser	Val	Leu	Ala	Phe	Ser	Val	Cys	Phe	Ile	Phe	Thr	Ile	Thr	Ile	115	120	125	
Gly	Met	Phe	Pro	Ala	Val	Thr	Val	Glu	Val	Lys	Ser	Ser	Ile	Ala	Gly	130	135	140	
Ser	Ser	Thr	Trp	Glu	Arg	Tyr	Phe	Ile	Pro	Val	Ser	Cys	Phe	Leu	Thr	145	150	155	160
Phe	Asn	Ile	Phe	Asp	Trp	Leu	Gly	Arg	Ser	Leu	Thr	Ala	Val	Phe	Met	165	170	175	
Trp	Pro	Gly	Lys	Asp	Ser	Arg	Trp	Leu	Pro	Ser	Trp	Xaa	Leu	Ala	Arg	180	185	190	
Leu	Val	Phe	Val	Pro	Leu	Leu	Leu	Leu	Cys	Asn	Ile	Lys	Pro	Arg	Arg	195	200	205	
Tyr	Leu	Thr	Val	Val	Phe	Glu	His	Asp	Ala	Trp	Phe	Ile	Phe	Phe	Met	210	215	220	
Ala	Ala	Phe	Ala	Phe	Ser	Asn	Gly	Tyr	Leu	Ala	Ser	Leu	Cys	Met	Cys	225	230	235	240
Phe	Gly	Pro	Lys	Lys	Val	Lys	Pro	Ala	Glu	Ala	Glu	Thr	Ala	Glu	Pro	245	250	255	
Ser	Trp	Pro	Ser	Ser	Cys	Val	Trp	Val	Trp	His	Trp	Gly	Leu	Phe	Ser	260	265	270	
Pro	Ser	Cys	Ser	Gly	Gln	Leu	Cys	Asp	Lys	Gly	Trp	Thr	Glu	Gly	Leu	275	280	285	

Pro Ala Ser Leu Pro Val Cys Leu Leu Pro Leu Pro Ser Ala Arg Gly
 290 395 300

Asp Pro Glu Trp Ser Gly Gly Phe Phe Phe
 305 310

<210> 1037

<211> 106

<212> PRT

<213> Homo sapiens

<400> 1037

Met Ser Gly Gln Gly Leu Ala Gly Phe Phe Ala Ser Val Ala Met Ile
 1 5 10 15

Cys Ala Ile Ala Ser Gly Ser Glu Leu Ser Glu Ser Ala Phe Gly Tyr
 20 25 30

Phe Ile Thr Ala Cys Ala Val Ile Ile Leu Thr Ile Ile Cys Tyr Leu
 35 40 45

Gly Leu Pro Arg Leu Glu Phe Tyr Arg Tyr Tyr Gln Gln Leu Lys Leu
 50 55 60

Glu Gly Pro Gly Glu Gln Glu Thr Lys Leu Asp Leu Ile Ser Lys Gly
 65 70 75 80

Glu Glu Pro Arg Ala Gly Lys Glu Glu Ser Gly Val Ser Val Ser Asn
 85 90 95

Ser Gln Pro Thr Asn Glu Ser His Ser Ile
 100 105

<210> 1038

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1038

Ser Gly Val Ser Val Ser Asn Ser Gln Pro Thr Asn Glu Ser His Ser
 1 5 10 15

Ile Lys Ala Ile Leu Lys Asn Ile Ser Val Leu Ala Phe Ser Val Cys
 20 25 30

Phe Ile Phe Thr Ile Thr Ile Gly Met Phe Pro Ala Val Thr Val Glu
 35 40 45

Val Lys Ser Ser Ile Ala Gly Ser Ser Thr Trp Glu Arg Tyr Phe Ile
 50 55 60

Pro Val Ser Cys Phe Leu Thr Phe Asn Ile Phe Asp Trp Leu Gly Arg
 65 70 75 80

Ser

<210> 1039
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1039
 Thr Ile Gly Met Phe Pro Ala Val Thr Val Glu Val Lys Ser Ser Ile
 1 5 10 15
 Ala Gly Ser Ser Thr Trp Glu Arg Tyr Phe Ile Pro Val Ser Cys Phe
 20 25 30
 Leu Thr Phe Asn Ile Phe Asp Trp Leu Gly Arg Ser Leu Thr Ala Val
 35 40 45
 Phe Met Trp Pro Gly Lys Asp Ser Arg Trp Leu Pro Ser Trp Xaa Leu
 50 55 60
 Ala Arg Leu Val Phe Val Pro Leu Leu Leu Leu Cys Asn Ile Lys Pro
 65 70 75 80
 Arg Arg Tyr Leu Thr Val Val Phe Glu His Asp Ala
 85 90

<210> 1040
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1040
 Phe Gly Pro Lys Lys Val Lys Pro Ala Glu Ala Glu Thr Ala Glu Pro
 1 5 10 15
 Ser Trp Pro Ser Ser Cys Val Trp Val Trp His Trp Gly Leu Phe Ser
 20 25 30
 Pro Ser Cys Ser Gly Gln Leu Cys Asp Lys Gly Trp Thr Glu Gly Leu
 35 40 45
 Pro Ala Ser Leu Pro Val Cys Leu Leu Pro Leu Pro Ser Ala Arg Gly
 50 55 60
 Asp Pro Glu Trp Ser Gly Gly Phe Phe Phe
 65 70

<210> 1041
 <211> 135
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

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<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (100)

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<221> SITE

<222> (101)

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<221> SITE

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<221> SITE

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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1041
 Asp Asp Asp Gly Phe Glu Ile Val Pro Ile Glu Asp Pro Ala Lys His
 1 5 10 15
 Arg Ile Leu Asp Pro Glu Gly Leu Ala Leu Gly Ala Val Ile Ala Ser
 20 25 30
 Ser Lys Lys Ala Lys Arg Asp Leu Ile Asp Asn Ser Phe Asn Arg Tyr
 35 40 45
 Thr Phe Asn Glu Asp Glu Gly Glu Leu Pro Glu Trp Phe Val Gln Glu
 50 55 60
 Glu Lys Gln His Arg Ile Arg Gln Leu Pro Val Gly Lys Lys Glu Val
 65 70 75 80
 Glu His Tyr Arg Lys Arg Trp Arg Glu Ile Asn Ala Arg Pro Ile Xaa
 85 90 95
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 100 105 110
 Leu Glu Gln Thr Arg Lys Lys Ala Glu Ala Val Val Asn Thr Val Asp
 115 120 125

Ile Xaa Arg Thr Arg Glu Ser
130 135

<210> 1042
<211> 50
<212> PRT
<213> Homo sapiens

<400> 1042
Asp Asp Asp Gly Phe Glu Ile Val Pro Ile Glu Asp Pro Ala Lys His
1 5 10 15

Arg Ile Leu Asp Pro Glu Gly Leu Ala Leu Gly Ala Val Ile Ala Ser
20 25 30

Ser Lys Lys Ala Lys Arg Asp Leu Ile Asp Asn Ser Phe Asn Arg Tyr
35 40 45

Thr Phe
50

<210> 1043
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<223> Xaa equals any of the naturally occurring L-amino acids

Lys Arg Trp Arg Glu Ile Asn Ala Arg Pro Ile Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Arg Lys Lys Ala Glu Ala Val Val Asn Thr Val Asp Ile Xaa Arg Thr
35 40 45

<210> 1044

<211> 216

<212> PRT

<213> Homo sapiens

Met Ile Lys Asp Lys Gly Arg Ala Arg Thr Ala Leu Thr Ser Ser Gln
1 5 10 15

Pro Ala His Leu Cys Pro Glu Asn Pro Leu Leu His Leu Lys Ala Ala
20 25 30

Val Lys Glu Lys Lys Arg Asn Lys Lys Lys Lys Thr Ile Gly Ser Pro
35 40 45

Lys Arg Ile Gln Ser Pro Leu Asn Asn Lys Leu Leu Asn Ser Pro Ala
50 55 60

Lys Thr Leu Pro Gly Ala Cys Gly Ser Pro Gln Lys Leu Ile Asp Gly
65 70 75 80

Phe Leu Lys His Glu Gly Pro Pro Ala Glu Lys Pro Leu Glu Glu Leu
85 90 95

Ser Ala Ser Thr Ser Gly Val Pro Gly Leu Ser Ser Leu Gln Ser Asp
100 105 110

Pro Ala Gly Cys Val Arg Pro Pro Ala Pro Asn Leu Ala Gly Ala Val
115 120 125

Glu Phe Asn Asp Val Lys Thr Leu Leu Arg Glu Trp Ile Thr Thr Ile
130 135 140

Ser Asp Pro Met Glu Glu Asp Ile Leu Gln Val Val Lys Tyr Cys Thr
145 150 155 160

Asp Leu Ile Glu Glu Lys Asp Leu Glu Lys Leu Asp Leu Val Ile Lys
165 170 175

Tyr Met Lys Arg Leu Met Gln Gln Ser Val Glu Ser Val Trp Asn Met
180 185 190

Ala Phe Asp Phe Ile Leu Asp Asn Val Gln Val Val Leu Gln Gln Thr
 195 200 205

Tyr Gly Ser Thr Leu Lys Val Thr
 210 215

<210> 1045
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1045
 Met Ile Lys Asp Lys Gly Arg Ala Arg Thr Ala Leu Thr Ser Ser Gln
 1 5 10 15

Pro Ala His Leu Cys Pro Glu Asn Pro Leu Leu His Leu Lys Ala Ala
 20 25 30

Val Lys Glu Lys Lys Arg Asn Lys Lys Lys Lys Thr Ile Gly Ser Pro
 35 40 45

Lys Arg Ile Gln
 50

<210> 1046
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 1046
 Lys Arg Ile Gln Ser Pro Leu Asn Asn Lys Leu Leu Asn Ser Pro Ala
 1 5 10 15

Lys Thr Leu Pro Gly Ala Cys Gly Ser Pro Gln Lys Leu Ile Asp Gly
 20 25 30

Phe Leu Lys His Glu Gly Pro Pro Ala Glu Lys Pro Leu Glu Glu Leu
 35 40 45

Ser Ala Ser Thr Ser Gly Val Pro Gly Leu Ser Ser Leu Gln Ser Asp
 50 55 60

Pro Ala Gly Cys Val Arg Pro Pro Ala Pro Asn Leu Ala Gly Ala Val
 65 70 75 80

Glu Phe Asn Asp Val Lys Thr Leu Leu Arg Glu Trp Ile Thr Thr Ile
 85 90 95

Ser Asp Pro Met
 100

<210> 1047
 <211> 74
 <212> PRT

3> Homo sapiens

0> 1047

Ile Ser Asp Pro Met Glu Glu Asp Ile Leu Gln Val Val Lys Tyr
5 10 15

Thr Asp Leu Ile Glu Glu Lys Asp Leu Glu Lys Leu Asp Leu Val
20 25 30

Lys Tyr Met Lys Arg Leu Met Gln Gln Ser Val Glu Ser Val Trp
35 40 45

Met Ala Phe Asp Phe Ile Leu Asp Asn Val Gln Val Val Leu Gln
50 55 60

Thr Tyr Gly Ser Thr Leu Lys Val Thr
5 70

10> 1048

11> 156

12> PRT

13> Homo sapiens

00> 1048

1 Cys Cys Lys Thr Thr Trp Thr Leu Ser Arg Ile Lys Ser Asn Ala
1 5 10 15

e Phe Gln Thr Asp Ser Thr Asp Cys Cys Ile Ser Leu Phe Met Tyr
20 25 30

le Ile Thr Arg Ser Ser Phe Ser Lys Ser Phe Ser Ser Ile Arg Ser
35 40 45

al Gln Tyr Phe Thr Thr Trp Arg Met Ser Ser Ser Ile Gly Ser Glu
50 55 60

le Val Val Ile His Ser Leu Ser Lys Val Phe Thr Ser Leu Asn Ser
55 70 75 80

ar Ala Pro Ala Arg Leu Gly Ala Gly Gly Leu Thr Gln Pro Ala Gly
85 90 95

er Asp Cys Lys Leu Glu Arg Pro Gly Thr Pro Glu Val Glu Ala Glu
100 105 110

er Ser Ser Arg Gly Phe Ser Ala Gly Gly Pro Ser Cys Phe Arg Asn
115 120 125

ro Ser Ile Asn Phe Trp Gly Leu Pro Gln Ala Pro Gly Arg Val Phe
130 135 140

la Gly Leu Leu Ser Ser Leu Leu Phe Lys Gly Leu
145 150 155

:210> 1049

:211> 25

<212> PRT

<213> Homo sapiens

<400> 1049

Trp Thr Leu Ser Arg Ile Lys Ser Asn Ala Ile Phe Gln Thr Asp Ser
1 5 10 15

Thr Asp Cys Cys Ile Ser Leu Phe Met
20 25

<210> 1050

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1050

Phe Thr Thr Trp Arg Met Ser Ser Ser Ile Gly Ser Glu Ile Val Val
1 5 10 15

Ile His Ser Leu Ser Lys Val Phe Thr Ser Leu Asn Ser Thr Ala Pro
20 25 30

Ala Arg Leu Gly Ala
35

<210> 1051

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1051

Gly Gly Pro Ser Cys Phe Arg Asn Pro Ser Ile Asn Phe Trp Gly Leu
1 5 10 15

Pro Gln Ala Pro Gly Arg Val Phe Ala Gly Leu Leu
20 25

<210> 1052

<211> 18

<212> PRT

<213> Homo sapiens

<400> 1052

Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Asn Cys
1 5 10 15

Glu Pro

<210> 1053

<211> 18

<212> PRT

<213> Homo sapiens

<400> 1053

Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Asn Cys
 1 5 10 15

Glu Pro

<210> 1054

<211> 9

<212> PRT

<213> Homo sapiens

<400> 1054

His Glu Pro Tyr Ala Val Leu Val Ile
 1 5

<210> 1055

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1055

Pro Gln Pro Ser Asn Phe Pro Thr Thr Val Arg Asn Leu Pro Tyr Ser
 1 5 10 15

Gly Ala Gly Ala Gln Pro Pro Pro Ser Asn Cys
 20 25

<210> 1056

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1056

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
 1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
 20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
 35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
 50 55 60

Ser Ala Pro Ala Cys His Ala Ser Asp Thr His Leu Leu Tyr Pro Ser
 65 70 75 80

Thr Arg Ala Leu Cys Pro Ser Ile Phe Ala Trp Leu Val Ala Pro His

	85	90	95
Ser Val Phe Arg Thr Asn Ala Pro Gly Pro Thr Pro Ser Ser Gln Ser			
	100	105	110
Ser Pro Val Phe Pro Val Phe Pro Val Ser Phe Met Ala Leu Ile Val			
	115	120	125
Cys Xaa Leu Val Cys Cys			
	130		

<210> 1057
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1057
 Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
 1 5 10 15
 Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
 20 25 30
 Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
 35 40 45
 Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
 50 55 60
 Ser Ala Pro Ala Cys His Ala
 65 70

<210> 1058
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1058
 Phe Ala Trp Leu Val Ala Pro His Ser Val Phe Arg Thr Asn Ala Pro
 1 5 10 15
 Gly Pro Thr Pro Ser Ser Gln Ser Ser Pro Val Phe Pro Val Phe Pro
 20 25 30
 Val Ser Phe Met Ala Leu Ile Val Cys Xaa Leu Val Cys Cys
 35 40 45

<210> 1059
 <211> 134
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1059

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
50 55 60

Ser Ala Pro Ala Cys His Ala Ser Asp Thr His Leu Leu Tyr Pro Ser
65 70 75 80

Thr Arg Ala Leu Cys Pro Ser Ile Phe Ala Trp Leu Val Ala Pro His
85 90 95

Ser Val Phe Arg Thr Asn Ala Pro Gly Pro Thr Pro Ser Ser Gln Ser
100 105 110

Ser Pro Val Phe Pro Val Phe Pro Val Ser Phe Met Ala Leu Ile Val
115 120 125

Cys Xaa Leu Val Cys Cys
130

<210> 1060

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1060

Leu Val Asn Trp Ile Leu Lys Leu His Cys Leu Asn Leu Phe Ser Gly
1 5 10 15

Phe Pro Leu Tyr Leu Glu Lys Asn Ala Thr Ser Ser Ala Gly Thr His
20 25 30

Pro Leu Thr Ala Phe Pro Ser Thr Leu Ser Leu Pro His Ala Leu Pro
35 40 45

Leu Pro Ala Met Pro Pro Ile Leu Thr Phe Cys Thr Pro Ala Pro Val
50 55 60

Pro Ser Ala Pro Arg Ser Leu Pro Gly Trp Leu Leu Leu Thr Gln Cys
65 70 75 80

Ser Gly Gln Met Leu Leu Ala Leu Pro His Leu Ala Ser Leu Ala Arg
85 90 95

Ser Ser Leu Ser Ser Leu Phe His Ser Trp Leu Leu Leu Phe Val Xaa
100 105 110

Leu Cys Ala Val Asp Phe
115

<210> 1061

<211> 23

<212> PRT

<213> Homo sapiens

<400> 1061

Asn Leu Phe Ser Gly Phe Pro Leu Tyr Leu Glu Lys Asn Ala Thr Ser
1 5 10 15

Ser Ala Gly Thr His Pro Leu
20

<210> 1062

<211> 21

<212> PRT

<213> Homo sapiens

<400> 1062

Pro His Leu Ala Ser Leu Ala Arg Ser Ser Leu Ser Ser Leu Phe His
1 5 10 15

Ser Trp Leu Leu Leu
20

<210> 1063

<211> 286

<212> PRT

<213> Homo sapiens

<400> 1063

Met Ala Met Glu Gly Tyr Trp Arg Phe Leu Ala Leu Leu Gly Ser Ala
1 5 10 15

Leu Leu Val Gly Phe Leu Ser Val Ile Phe Ala Leu Val Trp Val Leu
20 25 30

His Tyr Arg Glu Gly Leu Gly Trp Asp Gly Ser Ala Leu Glu Phe Asn
35 40 45

Trp His Pro Val Leu Met Val Thr Gly Phe Val Phe Ile Gln Gly Ile
50 55 60

Ala Ile Ile Val Tyr Arg Leu Pro Trp Thr Trp Lys Cys Ser Lys Leu
65 70 75 80

Leu Met Lys Ser Ile His Ala Gly Leu Asn Ala Val Ala Ala Ile Leu
85 90 95

Ala Ile Ile Ser Val Val Ala Val Phe Glu Asn His Asn Val Asn Asn
100 105 110

Ile Ala Asn Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val
115 120 125

Ile Cys Tyr Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu
130 135 140

Pro Trp Ala Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val
145 150 155 160

Tyr Ser Gly Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met
165 170 175

Gly Leu Thr Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser
180 185 190

Thr Phe Pro Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile
195 200 205

Leu Val Phe Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp
210 215 220

Lys Arg Pro Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly
225 230 235 240

Thr Glu Gln Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn
245 250 255

Met Asp Lys Ser Asp Ser Glu Leu Asn Ser Glu Val Ala Ala Arg Lys
260 265 270

Arg Asn Leu Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met
275 280 285

<210> 1064

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1064

Ala His Ala Ser Ala His Ala Ser Gly Gly Ala Glu Tyr Gly Ala Leu
1 5 10 15

<210> 1065

<211> 116

<212> PRT

<213> Homo sapiens

<400> 1065

Gln Tyr Ser Gln Tyr Val Gln Ser Ala Gln Leu Gly Trp Thr Asp Ser
 1 5 10 15

Cys His Met Leu Phe Val Thr Ala Ser Phe Arg Phe Phe Ser Leu Ser
 20 25 30

Ala Ser Met Gly Ser Ala Phe Ser Pro Ser Ile Ser His Ala His Thr
 35 40 45

Cys Leu Phe Trp Asn Cys His Leu Trp Asn Ser Asp Cys Asn Ser Thr
 50 55 60

Tyr Gly Ile Asp Arg Glu Thr Asp Phe Phe Pro Glu Arg Ser Cys Ile
 65 70 75 80

Gln Tyr Ile Pro Ala Arg Arg Cys Phe Arg Lys Tyr Ala Trp Pro Ser
 85 90 95

Asp Pro Gly Val Arg Gly Pro His Phe Leu Asp Ser His Gln Thr Ala
 100 105 110

Met Glu Thr Ser
 115

<210> 1066

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1066

Ala Ser Met Gly Ser Ala Phe Ser Pro Ser Ile Ser His Ala His Thr
 1 5 10 15

Cys Leu Phe Trp Asn Cys His Leu Trp Asn Ser Asp Cys Asn Ser Thr
 20 25 30

Tyr Gly

<210> 1067

<211> 119

<212> PRT

<213> Homo sapiens

<400> 1067

Phe Val His Val Val Ala Arg Val Gly Trp His Gly Thr Ser Cys Ser
 1 5 10 15

Leu Phe Ser Ala Ser Ile Trp Met Lys Asn Gly Arg Ile Trp Leu Leu
 20 25 30

Arg Thr Phe Pro Leu Arg Ser Gly Asp Tyr Pro Lys Asn Glu Gly Pro

35

40

45

Glu His Gln Asp Gln Lys Ala Lys Arg Ile Tyr Glu Asn Thr Phe Trp
 50 55 60

Arg Glu Cys Thr Val Cys Arg Ile Ser Gln Gly Lys Asn Gln Phe Leu
 65 70 75 80

Cys Gln Ser His Lys Cys Cys Cys Asn His Cys Ser Lys Asp Asp Asn
 85 90 95

Ser Arg Ile Asn Met Tyr Gly His Glu Lys Cys Ser Glu Arg Lys Arg
 100 105 110

Ser Pro Trp Lys Gln Lys Asp
 115

<210> 1068

<211> 32

<212> PRT

<213> Homo sapiens

<400> 1068

Ala Ser Ile Trp Met Lys Asn Gly Arg Ile Trp Leu Leu Arg Thr Phe
 1 5 10 15

Pro Leu Arg Ser Gly Asp Tyr Pro Lys Asn Glu Gly Pro Glu His Gln
 20 25 30

<210> 1069

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1069

Pro Gly Arg Ala Gly Pro Ser Pro Gly Leu Ser Leu Gln Leu Pro Ala
 1 5 10 15

Glu Pro Gly His Pro Ala Gly Asn Leu Ala Pro Leu Thr Ser Arg Pro
 20 25 30

Gln Pro Leu Cys Arg Ile Pro Ala Val Pro Gly
 35 40

<210> 1070

<211> 42

<212> PRT

<213> Homo sapiens

<400> 1070

Ala Arg Gly Arg Arg Arg Gly Arg Leu Glu Leu Trp Glu Leu Cys Leu
 1 5 10 15

Pro Leu Gly Cys Arg Arg Arg Arg Ser Leu Thr Met Ala Pro Gln Ser
 20 25 30

Leu Pro Ser Ser Arg Met Ala Pro Leu Gly
 35 40

<210> 1071

<211> 351

<212> PRT

<213> Homo sapiens

<400> 1071

Asn Gly Gln Ala Ser Thr Ala Lys Met Ser Ser Cys Leu Arg Ser Pro
 1 5 10 15

Pro Thr Leu Ala Pro Leu Ser Leu Thr Ser Gly Ile Pro Val Gln Ser
 20 25 30

Trp Cys Gly Ala Ser Ser Gln Leu Leu Gln Gln Ala Val Asp Arg Ala
 35 40 45

Gln Gln Leu Leu Glu Val Ala Leu Val Leu Thr Ile Leu Gln Leu Gln
 50 55 60

Ala Gly Gln His Leu Val Leu Ser Leu Gln Ala Gly Gln Cys Pro Ala
 65 70 75 80

Glu Leu Gly Val Leu Thr Val Ala Val Pro Ala Gly Gly Gln Glu Asp
 85 90 95

Ala Gln Cys Leu Gln His Leu Leu Thr Gly Ile Met Leu Gly Gln Arg
 100 105 110

Gln Glu Val Gly Arg Asp Leu Ala Pro Ala Leu Phe Pro Gln Ala Trp
 115 120 125

Gln Glu Val Tyr Leu Ala Ile Leu Leu Gln Leu Leu Trp Gly His Leu
 130 135 140

Leu Gly Gln Leu Ser Leu Leu Leu Gly Glu His Leu Leu Arg Asp Gln
 145 150 155 160

Val Val Glu Gln Cys Asp His Ala His Gly Glu His Leu Arg Ala Leu
 165 170 175

Leu Leu His Gln Gly Pro Gln Asp Leu Gln Pro Pro Glu Leu Gln Glu
 180 185 190

Leu Pro Leu Gly Ile Gly Glu Val Ala Gln Gln Gly Ala Gln Cys Lys
 195 200 205

Gln Asp Leu Leu Leu Cys Ser Glu Arg Leu Leu Arg Gly Gln Asp Asp
 210 215 220

Gln Gln Leu Leu Gln Gly Ser Pro Phe Asp Gly Leu His Leu Asp Leu
 225 230 235 240

Gly Val Ala Gly Lys Gly Ser Ala Gln His Lys Arg Ser Ile Leu Leu
 245 250 255

His Glu Gly Leu Cys Ala Val Gln Pro Ile Asp His His Leu Lys Thr
 260 265 270

Thr Lys Gly Lys Gln Val Leu Arg Ile Val His Leu Met Asp Ile Ile
 275 280 285

Phe Lys Ile Lys Glu Arg Ser Asn Leu Leu Phe Gln Thr Gly Ala Gly
 290 295 300

Thr Ile Glu Leu Val Asp Gln Pro Tyr His Asp Leu His Val Ser Leu
 305 310 315 320

Asn Asp Asn Ile Gln Leu Ile Lys Val Phe Leu Gln Phe Leu Asn Gly
 325 330 335

Ala Glu Glu Pro Leu Tyr Leu Ser Leu Pro Cys Leu Val Phe Leu
 340 345 350

<210> 1072

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1072

Gln His Leu Val Leu Ser Leu Gln Ala Gly Gln Cys Pro Ala Glu Leu
 1 5 10 15

Gly Val Leu Thr Val Ala Val Pro Ala Gly Gly Gln Glu Asp Ala Gln
 20 25 30

Cys

<210> 1073

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1073

Gln Leu Ser Leu Leu Leu Gly Glu His Leu Leu Arg Asp Gln Val Val
 1 5 10 15

Glu Gln Cys Asp His Ala His Gly Glu His
 20 25

<210> 1074

<211> 32

<212> PRT

<213> Homo sapiens

<400> 1074

Gly Ser Pro Phe Asp Gly Leu His Leu Asp Leu Gly Val Ala Gly Lys
 1 5 10 15

Gly Ser Ala Gln His Lys Arg Ser Ile Leu Leu His Glu Gly Leu Cys
 20 25 30

<210> 1075

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1075

His Leu Met Asp Ile Ile Phe Lys Ile Lys Glu Arg Ser Asn Leu Leu
 1 5 10 15

Phe Gln Thr Gly Ala Gly Thr Ile Glu Leu Val Asp Gln Pro
 20 25 30

<210> 1076

<211> 126

<212> PRT

<213> Homo sapiens

<400> 1076

Asp Glu Pro Cys Pro Pro Pro Ala Ala Ser Cys Ala Pro Pro Ser Trp
 1 5 10 15

Arg Met Glu Leu Arg Thr Gly Ser Val Gly Ser Gln Ala Val Ala Arg
 20 25 30

Arg Met Asp Gly Asp Ser Arg Asp Gly Gly Gly Gly Lys Asp Ala Thr
 35 40 45

Gly Ser Glu Asp Tyr Glu Asn Leu Pro Thr Ser Ala Ser Val Ser Thr
 50 55 60

His Met Thr Ala Gly Ala Met Ala Gly Ile Leu Glu His Ser Val Met
 65 70 75 80

Tyr Pro Val Asp Ser Val Lys Thr Arg Met Gln Ser Leu Ser Pro Asp
 85 90 95

Pro Lys Ala Gln Tyr Thr Ser Ile Tyr Gly Ala Leu Lys Lys Ile Met
 100 105 110

Arg Thr Glu Ala Ser Gly Gly Pro Cys Glu Ala Ser Thr Ser
 115 120 125

<210> 1077

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1077

Arg Met Glu Leu Arg Thr Gly Ser Val Gly Ser Gln Ala Val Ala Arg
 1 5 10 15

Arg Met Asp Gly Asp Ser Arg Asp Gly Gly Gly Gly Lys Asp Ala Thr
 20 25 30

Gly Ser

<210> 1078

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1078

Pro Val Asp Ser Val Lys Thr Arg Met Gln Ser Leu Ser Pro Asp Pro
 1 5 10 15

Lys Ala Gln Tyr Thr Ser Ile Tyr Gly Ala Leu
 20 25

<210> 1079

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (314)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (359)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1079

Met Lys Leu Leu Gly Glu Cys Ser Ser Ser Ile Asp Ser Val Lys Arg
 1 5 10 15

Leu Glu His Lys Leu Lys Glu Glu Glu Glu Ser Leu Pro Gly Phe Val
 20 25 30

Asn Leu His Ser Thr Glu Thr Gln Thr Ala Gly Val Ile Asp Arg Trp
 35 40 45

Glu Leu Leu Gln Ala Gln Ala Leu Ser Lys Glu Leu Arg Met Lys Gln
 50 55 60

1077
 1078
 1079
 424
 152
 314
 359

Asn Leu Gln Lys Trp Gln Gln Phe Asn Ser Asp Leu Asn Ser Ile Trp
 65 70 75 80
 Ala Trp Leu Gly Asp Thr Glu Glu Glu Leu Glu Gln Leu Gln Arg Leu
 85 90 95
 Glu Leu Ser Thr Asp Ile Gln Thr Ile Glu Leu Gln Ile Lys Lys Leu
 100 105 110
 Lys Glu Leu Gln Lys Ala Val Asp His Arg Lys Ala Ile Ile Leu Ser
 115 120 125
 Ile Asn Leu Cys Ser Pro Glu Phe Thr Gln Ala Asp Ser Lys Glu Ser
 130 135 140
 Arg Asp Leu Gln Asp Arg Leu Xaa Gln Met Asn Gly Arg Trp Asp Arg
 145 150 155 160
 Val Cys Ser Leu Leu Glu Glu Trp Arg Gly Leu Leu Gln Asp Ala Leu
 165 170 175
 Met Gln Cys Gln Gly Phe His Glu Met Ser His Gly Leu Leu Leu Met
 180 185 190
 Leu Glu Asn Ile Asp Arg Arg Lys Asn Glu Ile Val Pro Ile Asp Ser
 195 200 205
 Asn Leu Asp Ala Glu Ile Leu Gln Asp His His Lys Gln Leu Met Gln
 210 215 220
 Ile Lys His Glu Leu Leu Glu Ser Gln Leu Arg Val Ala Ser Leu Gln
 225 230 235 240
 Asp Met Ser Cys Gln Leu Leu Val Asn Ala Glu Gly Thr Asp Cys Leu
 245 250 255
 Glu Ala Lys Glu Lys Val His Val Ile Gly Asn Arg Leu Lys Leu Leu
 260 265 270
 Leu Lys Glu Val Ser Arg His Ile Lys Glu Leu Glu Lys Leu Leu Asp
 275 280 285
 Val Ser Ser Ser Gln Gln Asp Leu Ser Ser Trp Ser Ser Ala Asp Glu
 290 295 300
 Leu Asp Thr Ser Gly Ser Val Ser Pro Xaa Ser Gly Arg Ser Thr Pro
 305 310 315 320
 Asn Arg Gln Lys Thr Pro Arg Gly Lys Cys Ser Leu Ser Gln Pro Gly
 325 330 335
 Pro Ser Val Ser Ser Pro His Ser Arg Ser Thr Lys Gly Gly Ser Asp
 340 345 350
 Ser Ser Leu Ser Glu Pro Xaa Pro Gly Arg Ser Gly Arg Gly Phe Leu
 355 360 365
 Phe Arg Val Leu Arg Ala Ala Leu Pro Leu Gln Leu Leu Leu Leu

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370
375
380
Leu Ile Gly Leu Ala Cys Leu Val Pro Met Ser Glu Glu Asp Tyr Ser
385
390
395
400
Cys Ala Leu Ser Asn Asn Phe Ala Arg Ser Phe His Pro Met Leu Arg
405
410
415
Tyr Thr Asn Gly Pro Pro Pro Leu
420

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```
<210> 1080  
<211> 110  
<212> PRT  
<213> Homo sapiens
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<400> 1080
Met Lys Leu Leu Gly Glu Cys Ser Ser Ser Ile Asp Ser Val Lys Arg
  1             5             10             15

Leu Glu His Lys Leu Lys Glu Glu Glu Glu Ser Leu Pro Gly Phe Val
      20             25             30

Asn Leu His Ser Thr Glu Thr Gln Thr Ala Gly Val Ile Asp Arg Trp
      35             40             45

Glu Leu Leu Gln Ala Gln Ala Leu Ser Lys Glu Leu Arg Met Lys Gln
      50             55             60

Asn Leu Gln Lys Trp Gln Gln Phe Asn Ser Asp Leu Asn Ser Ile Trp
      65             70             75             80

Ala Trp Leu Gly Asp Thr Glu Glu Glu Leu Glu Gln Leu Gln Arg Leu
      85             90             95

Glu Leu Ser Thr Asp Ile Gln Thr Ile Glu Leu Gln Ile Lys
      100             105             110

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```
<210> 1081
<211> 136
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 1081
Lys Leu Lys Glu Leu Gln Lys Ala Val Asp His Arg Lys Ala Ile Ile
  1             5             10             15
Leu Ser Ile Asn Leu Cys Ser Pro Glu Phe Thr Gln Ala Asp Ser Lys
          20             25             30
Glu Ser Arg Asp Leu Gln Asp Arg Leu Xaa Gln Met Asn Gly Arg Trp

```

35

40

45

Asp Arg Val Cys Ser Leu Leu Glu Glu Trp Arg Gly Leu Leu Gln Asp
 50 55 60

Ala Leu Met Gln Cys Gln Gly Phe His Glu Met Ser His Gly Leu Leu
 65 70 75 80

Leu Met Leu Glu Asn Ile Asp Arg Arg Lys Asn Glu Ile Val Pro Ile
 85 90 95

Asp Ser Asn Leu Asp Ala Glu Ile Leu Gln Asp His His Lys Gln Leu
 100 105 110

Met Gln Ile Lys His Glu Leu Leu Glu Ser Gln Leu Arg Val Ala Ser
 115 120 125

Leu Gln Asp Met Ser Cys Gln Leu
 130 135

<210> 1082

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1082

Gln Asp Met Ser Cys Gln Leu Leu Val Asn Ala Glu Gly Thr Asp Cys
 1 5 10 15

Leu Glu Ala Lys Glu Lys Val His Val Ile Gly Asn Arg Leu Lys Leu
 20 25 30

Leu Leu Lys Glu Val Ser Arg His Ile Lys Glu Leu Glu Lys Leu Leu
 35 40 45

Asp Val Ser Ser Ser Gln Gln Asp Leu Ser Ser Trp Ser Ser Ala Asp
 50 55 60

Glu Leu Asp Thr Ser Gly Ser Val Ser Pro Xaa Ser Gly Arg Ser Thr
 65 70 75 80

Pro Asn Arg Gln Lys Thr Pro Arg Gly Lys Cys Ser Leu Ser Gln Pro
 85 90 95

Gly Pro Ser Val Ser Ser Pro His Ser
 100 105

<210> 1083

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1083

Asp Ser Ser Leu Ser Glu Pro Xaa Pro Gly Arg Ser Gly Arg Gly Phe
 1 5 10 15

Leu Phe Arg Val Leu Arg Ala Ala Leu Pro Leu Gln Leu Leu Leu
 20 25 30

Leu Leu Ile Gly Leu Ala Cys Leu Val Pro Met Ser Glu Glu Asp Tyr
 35 40 45

Ser Cys Ala Leu Ser Asn Asn Phe Ala Arg Ser Phe His Pro Met Leu
 50 55 60

Arg Tyr Thr Asn Gly Pro Pro Pro Leu
 65 70

<210> 1084

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1084

Gln Arg Phe Leu Pro Pro Gly Ser Cys Xaa Leu Ile Arg Gly Pro Gln
 1 5 10 15

Cys Pro Arg Val Thr Asp Pro Thr Thr Gly Gln Ser Leu Asp Asp Ser
 20 25 30

Arg Phe Gln Ile Gln Gln Thr Glu Asn Ile Ile Arg Ser Lys Thr Pro
 35 40 45

Thr Gly Pro Glu Leu Asp Thr Ser Tyr Lys Gly Tyr
 50 55 60

<210> 1085

<211> 215

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1085

Ser Ile Ser Ala Ser Arg Leu Glu Ser Ile Gly Thr Ile Ser Phe Phe
1 5 10 15

Leu Leu Ser Met Phe Ser Ser Ile Arg Ser Lys Pro Trp Leu Ile Ser
20 25 30

Trp Lys Pro Trp His Cys Ile Arg Ala Ser Cys Ser Arg Pro Arg His
35 40 45

Ser Ser Ser Arg Glu His Thr Arg Ser Gln Arg Pro Phe Ile Cys Xaa
50 55 60

Lys Arg Ser Cys Arg Ser Arg Leu Ser Leu Leu Ser Ala Trp Val Asn
65 70 75 80

Ser Gly Leu Gln Arg Leu Met Glu Arg Met Met Ala Leu Arg Trp Ser
85 90 95

Thr Ala Phe Trp Ser Ser Leu Ser Phe Leu Ile Trp Ser Ser Met Val
100 105 110

Trp Met Ser Val Leu Ser Ser Arg Arg Trp Ser Cys Ser Asn Ser Ser
115 120 125

Ser Val Ser Pro Ser Gln Ala Gln Met Leu Phe Lys Ser Glu Leu Asn
130 135 140

Cys Cys His Phe Trp Arg Phe Cys Phe Ile Leu Asn Ser Leu Leu Asn
145 150 155 160

Ala Trp Ala Trp Arg Ser Ser His Arg Ser Ile Thr Pro Ala Val Trp
165 170 175

Val Ser Val Leu Cys Arg Leu Thr Lys Pro Gly Arg Leu Ser Ser Ser
180 185 190

Ser Phe Ser Leu Cys Ser Ser Leu Phe Thr Glu Ser Ile Leu Leu Leu
195 200 205

His Ser Pro Ser Ser Phe Met
210 215

<210> 1086

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1086

Thr Ala Phe Trp Ser Ser Leu Ser Phe Leu Ile Trp Ser Ser Met Val
1 5 10 15

Trp Met Ser Val Leu Ser Ser Arg Arg Trp Ser Cys Ser Asn Ser Ser
20 25 30

Ser Val Ser
35

<210> 1087
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1087
 Leu Leu Asn Ala Trp Ala Trp Arg Ser Ser His Arg Ser Ile Thr Pro
 1 5 10 15
 Ala Val Trp Val Ser Val Leu Cys Arg Leu
 20 25

<210> 1088
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1088
 Leu Ala Arg His Val Leu Gln Arg Gly Tyr Ser Glu Leu Gly Phe Gln
 1 5 10 15
 Gln Leu Met Leu Tyr Leu His Lys Leu Phe Val Met Val Leu Lys Tyr
 20 25 30
 Leu Cys Ile Lys Val Arg Ile Asn Arg Asp Asn Phe Ile Phe Pro Ser
 35 40 45
 Val Asn Val Leu Gln His Lys Lys Gln Thr Met Ala His Phe Met Glu
 50 55 60
 Thr Leu Ala Leu His Gln Gly Ile Leu Gln Gln Ala Pro Pro Leu Leu
 65 70 75 80
 Gln Gln Arg Ala His Ser Val Pro Ala Pro Ile His Leu Xaa Gln Ala
 85 90 95
 Ile Leu Gln Val Pro Ala Leu Leu Ala Val Ser Leu Gly Glu Leu Arg
 100 105 110
 Ala Ala Glu Ile Asp Gly Glu Asp Asp Gly Phe Ala Val Val His Ser
 115 120 125
 Phe Leu Glu Leu Leu Glu Leu Phe Asp Leu Glu Leu Asp Gly Leu Asp
 130 135 140
 Val Ser Ala Glu Phe Gln Thr Leu Glu Leu Phe Gln Leu Leu Leu Arg
 145 150 155 160
 Val Pro Gln Pro Gly Pro Asp Ala Val Gln Val
 165 170

<210> 1089
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 1089
 Tyr Ser Glu Leu Gly Phe Gln Gln Leu Met Leu Tyr Leu His Lys Leu
 1 5 10 15
 Phe Val Met Val Leu Lys Tyr Leu Cys Ile Lys Val
 20 25

<210> 1090
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1090
 Val His Ser Phe Leu Glu Leu Leu Glu Leu Phe Asp Leu Glu Leu Asp
 1 5 10 15
 Gly Leu Asp Val Ser Ala Glu Phe Gln Thr Leu Glu Leu
 20 25

<210> 1091
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 1091
 Ala Met Val Cys Phe Leu Cys Trp Arg Thr Leu Thr Glu Gly Lys
 1 5 10 15

<210> 1092
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1092
 Gly Ala Gly Val Gly Thr Ala Met Pro Arg Val Pro Gln Ser Ala Gly
 1 5 10 15
 Gly Ala Val Thr Trp Trp Gly Val Gly Leu Ser Gln Pro Ser Ser Val
 20 25 30
 Gln Gly Gly Ala Arg Pro Gly Thr Val Pro Gly Thr Pro Gly Pro Leu
 35 40 45
 Pro Gly Leu Ser Pro Ala Pro Pro Pro Gln His Pro Pro Pro Leu Pro